POOLED MCQS FOR GRE/GAT/SUBJECT DISCIPLINE: (PATHOLOGY)

	Subject (1-650) MCQ's		Answ Key	
1)	Which of the following represents an increase in size of a cell in response to increased demand or hormonal stimulation?			
	A. Hypertrophy	B. Hyperplasia		
	C. Metaplasia	D. Anaplasia		
)	Which of the following sequelae of ischemia would be considered an irreversible cellular injury?			
	A. cellular acidosis	B. fatty metamorphosis	=	
	C. rupture of lysosomes	D. None of these		
)	Which of the following would typically result in liquifactive necrosis?			
	A. cerebral infarction from middle cerebral artery	B. liberation of pancreatic enzymes into peritoneum due to		
	thrombosis	acute pancreatitis		
	C. myocardial infarction from coronary thrombosis	D. None of these	1	
)		e neck of an old dog shows granulomatous inflammation with	С	
,	large areas of necrosis. Which of the following would be n			
	A. cell surface markers for lymphocyte phenotyping	B. chromosomal analysis by karyotyping	1	
	C. cultures for acid fast bacilli and fungi	D. None of these	1	
)		th loss and cough. Chest x-ray shows pulmonary infiltrates. A	С	
	tuberculin skin test shows no reaction. Which of the follow			
	A. he does not now have and never has had tuberculosis	B. he does not now have tuberculosis, but may have in the		
		past		
	C. he may or may not have tuberculosis	D. None of these		
	Each of the following is an example of apoptosis except:		С	
	A. deletion of autoreactive T cells from thymus	B. destruction of hepatocytes in chronic hepatitis		
	C. stroke caused by thrombosis of middle cerebral artery	D. None of these		
	Orchiectomy (removal of testes) would be expected to cause which of the following in prostatic epithelium in a old dog:		Α	
	A. atrophy	B. fatty change		
	C. Cell swelling	D. None of these		
	One year after an intestinal operation the palpation of the i predominantly due to:	ncision site shows it to be firmer than surrounding. This is	A	
	A. increased density of collagen fibers	B. increased density of elastin fibers		
	C. increased number of regenerating cells	D. None of these		
	Amyloid consists of:		A	
	A. extracellular deposits of altered protein in a Beta-	B. extracellular accumulations of damaged collagen fibrils		
	pleated sheet			
`	C. Henatured proteins D. None of these			
)	Each of the following increases the risk of thrombosis EXO		В	
	A. endothelial injury	B. factor XIII deficiency		
`	C. venous stasis Teratomas are best described as:	D. None of these	В	
)	A. cancers present at birth	B. neoplasms composed of a mix of tissues from 3 germ	- Б	
	A. Cancers present at onth	layers		
	C. neoplasms composed of undifferentiated anaplastic cells D. None of these			
)	Each of the following may contribute to formation of edema EXCEPT:			
,		increased intravascular hydrostatic pressure	C	
	A. decreased plasma oncotic pressure	B. Hiereased intravasediar hydrostatic pressure		
	C. increased serum albumin	D. None of these	1	
3)	Which of the following would least likely directly lead to a		С	
	A. carbon monoxide poisoning	B. cyanide poisoning		
	C. hypoglycemia	D. None of these	1_	
)	Hyperacute graft rejection most likely involves:		С	
4)	A. formation of granulomas in the graft	B. infiltration of the graft by plasma cells	1	

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	C. preformed antibodies deposited on graft endothelium	D. None of these	
15)	15) Unconjugated bilirubin is derived principally from:		
15)	A. glucuronyl transferase activity	B. toxic liver injury	С
	C. breakdown of senescent red blood cells	D. None of these	1
16)	Centrilobular necrosis is associated with	b. Profile of these	С
10)	A. Halothane	B. Thorazine	1
	C. Carbon tetrachloride	D. None of these	1
17)	In comparison to periportal hepatocytes, centrilobular zone		С
1,,	A. less smooth endoplasmic reticulum	B. larger nuclei	1
	C. poorer oxygenation	D. None of these	+
18)	Which one of the following tests would be most effective i		A
10)	A. Serum alanine aminotransferase (ALT)	B. Serum total bilirubin	- A
	C. cell surface markers	D. None of these	+
19)	Serum concentration is increased when destruction of erytl		A
19)	A. Unconjugated bilirubin		A
		, <u>c</u>	4
20)	C. Both	D. None of these	
20)	Markedly increased concentration responsible for kernicter		A
	A. Unconjugated bilirubin	B. Conjugated bilirubin	4
24)	C. Both	D. None of these	
21)	Predominantly unconjugated hyperbilirubinemia is typical		A
	A. intravascular hemolysis	B. carcinoma of common bile ducts	_
	C. carcinoma of gall bladder	D. None of these	
22)	Which one of the following are cardinal features of granula		С
	A. Abundant collagen	B. Proliferating macrophages and lymphocytes	
	C. Proliferating capillaries and fibroblasts	D. None of these	
23)	The main feature of a healing wound is:		C
	A. Lymphocyte accumulation	B. Fibrin deposition	
	C. Granulation tissue	D. None of these	
24)	Polymorphonuclear leukocytes (neutrophils) are by definit	ion part of	С
	A. granuloma	B. Granulation tissue	1
	C. None of these	D. All of them	1
25)	A keloid is composed predominantly of:		В
	A. Granulation tissue	B. Dense collagen	
	C. Loose connective tissue	D. None of these	7
26)	Early granulation tissue is BEST characterized by the present		С
20)	A. Plasma cells and macrophages	B. T lymphocytes and eosinophils	1
	C. Capillary buds and fibroblasts	D. None of these	†
27)	In addition to pulmonary stenosis and ventricular septal de		A
21)	A. Dextroposition of aorta and right ventricular	B. Dextroposition of aorta and left ventricular hypertrophy	
	hypertrophy	B. Dexiroposition of aorta and left ventricular hypertrophy	
	C. Right ventricular hypertrophy and left atrial dilatation	D. None of these	+
28)	Cardiac hypertrophy to occur, one of the following is requi		A
20)	Healthy myocardium and adequate nutrition (blood	ired.	- A
	A. supply)	B. Healthy myocardium only	
	C. Abundant of blood supply only	D. None of these	4
20)	The cardiac reserve is:	D. Inone of these	Α.
29)	-	D 132 64 1 44 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A
	A. ability of the heart to respond to circulatory demands	B. ability of the heart to respond to circulatory demands to	
	over and above those of the animal/ human at rest	fulfil the needs of animal / human at rest	4
201	C. Is the blood that is present in the peripheral circulatory	D. None of these	С
30)	Which of the following is most likely to result in cyanosis?		
	A. Anemia	B. Polycythemia	4
	C. Left to right cardiac shunt	D. None of these	1
31)	Each of the following can produce edema (increased fluid		C
	A. Cardiac failure	B. Hepatic failure	
	C. Arterial occlusion	D. None of these	

32)	Which one of the following organs is least likely to have h	nemorrhagic (red) infarcts:	A		
- /	A. Heart	B. Brain			
	C. Intestine	D. None of these			
33)	Which of the following plays an important role in edema formation?				
/	A. Arteriolar dilatation	B. Decreased venous flow			
	C. All of the above	D. None of these			
34)	The most common cause of arterial stenosis is:		С		
,	A. Mural thrombosis B. Embolization				
	C. Atherosclerosis	D. None of these			
35)	Each of the following result in ischemia EXCEPT	or meso	С		
,	A. Arterial occlusion	B. Venous occlusion			
	C. Cyanosis	D. None of these			
36)	Components of the intravascular space include each of the		С		
30)	A. Arteries	B. Veins			
	C. Peritoneal cavity D. None of these				
37)	A transudate differs from an exudate primarily in its	p. prone of these	С		
31)	A. Interstitial volume	B. Presence of vasoactive mediators	1		
	C. Protein content	D. None of these			
38)	Each of the following produce edema EXCEPT:	D. Profic of these	С		
30)	A. Decreased plasma protein	B. Depletion of sodium	1		
	C. Increased capillary hydrostatic pressure	D. None of these			
39)	Anasarca refers to:	b. Profic of these	С		
37)	A. A tumor of lymphatics	B. Generalized vasoconstriction			
	C. Generalized edema	D. None of these			
40)	Clinical manifestations of right heart failure include each (С		
40)	A. dependent edema	B. Ascites			
	C. Pulmonary edema	D. None of these			
11)			С		
41)	Edema associated with decreased plasma oncotic pressure may be caused by A. Sodium depletion B. Histamine release				
	C. Liver disease	D. None of these			
42)	Edema is BEST described as:	D. Inolle of these	В		
42)	A. Purulent reaction	B. An increase in interstitial fluid	- В		
		D. None of these			
12)	C. Extravascular hemorrhage Left-sided heart failure is characterized by:	D. None of these	<u> </u>		
43)		D. Desaura (shartu asa af harath)	C		
	A. Hepatomegaly	B. Dyspnea (shortness of breath) D. None of these			
4.4)	C. Varices	p. I tolle of these	-		
44)	Heart failure cells, i.e., macrophages loaded with haemosic		C		
	A. Ascites fluid in congestive heart failure	B. Pulmonary alveoli in mitral stenosis			
	C. Left ventricular myocardium following infarction and reperfusion	D. None of these			
45)	Cyanosis caused by mitral insufficiency is typically associ	ated with	С		
	A. Pulmonary vein thrombi	B. Pulmonary artery emboli			
	C. Pulmonary edema	D. None of these			
46)	The edema of nephrotic syndrome is best classified as	<u> </u>	С		
	A. Hypovolemic	B. Obstructive			
	C. Oncotic	D. None of these			
47)	Fat emboli are best demonstrated in the lungs by		С		
	A. PCR	B. Chromatography			
	C. Frozen section examination of tissues stained with	D. None of these			
48)	Sudan red Erythroblastosis fetalis and neonatal hemolytic anemia are	e caused by a maternal immune response to which fetal blood	A		
	group antigen:				
	A. Rh	В. Р			
	C. MN	D. None of these			
49)	Neoplasms are best characterized as:	• •	С		

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	A. Malignant tumors	B. A proliferation of cells that is characterized by its ability to			
	C. A cellular proliferation in which growth is for the most	invade contiguous structures D. None of these			
	part autonomous	D. Inolle of these			
50)	Which one of the following is a malignant neoplasm?		A		
	A. Seminoma	B. Trichoepithelioma			
	C. Chondroma	D. None of these	1		
51)	Most common malignant tumor in bitches		С		
	A. Carcinoma of the stomach	B. Multiple myeloma	1		
	C. venereal tumour	D. None of these	1		
52)	Which of the following findings is most useful for the stagi	ing of a tumor?	С		
	A. Presence of necrosis B. Presence of abnormal mitoses				
	C. Presence of metastases	D. None of these			
53)	Benign tumors arising from the salivary gland epithelium a		В		
-,	A. Transitional cell epitheliomas	B. Adenomas			
	C. Fibromas	D. None of these			
54)	Which of the following finding is most important for the gr		С		
',	A. Presence of tumor cells in the vascular spaces	B. Level of invasion			
	Microscopic pleomorphism of nuclei and the number of				
	C. mitoses	D. None of these			
5)	Chondroma of the larynx is a:		A		
- /	A. Tumor of cartilage	B. Precursor of leiomyosarcoma			
	C. Precursor of carcinoma	D. None of these			
6)	A benign tumor composed of smooth muscle cells is called		A		
0)	A. Leiomyoma	B. Rhabdomyoma	1.		
	C. Angioma	D. None of these			
7)	Many retinoblastomas are marked by the following chromo		С		
')	A. Monosomy B. Translocation				
	C. Deletion	D. None of these			
8)	Asbestos exposure predisposes to the development of tumo		В		
0)		B. Pleura	ь		
	A. Uterus				
0)	C. Liver	D. None of these	-		
9)	Eosinophils typically increase in number in response to whi		С		
	A. Gram-positive cocci	B. Mycobacteria			
	C. Parasites	D. None of these			
0)	Epithelioid cells within granulomas are derived from which		В		
	A. Plasma cells	B. Macrophages			
	C. Lymphocytes	D. None of these			
1)	All of the following are true regarding platelet-activating fa		C		
	A. Induces platelet aggregation	B. Stimulates platelet secretion			
	C. It is a preformed molecule present in various cells	D. None of these			
2)	Biologically active metabolites of arachidonic acid include	all of the following EXCEPT:	C		
	A. Leukotrienes (SRS)	B. Thyromboxane A2			
	C. Complement	D. None of these			
63)	Aspirin may reduce inflammatory responses by inhibiting which of the following enzymes?				
3)		B. Lipoxygenase			
3)	A. Cyclooxygenase	b. Elpoxygenase			
3)	A. Cyclooxygenase				
,		D. None of these	С		
4)	A. CyclooxygenaseC. Phospholipase CBacterial opsonization is mediated by which one of the following	D. None of these lowing?	С		
,	A. Cyclooxygenase C. Phospholipase C Bacterial opsonization is mediated by which one of the followard A. Hageman factor	D. None of these lowing? B. Prostaglandin I2	С		
4)	 A. Cyclooxygenase C. Phospholipase C Bacterial opsonization is mediated by which one of the followard A. Hageman factor C. Immunoglobulin G 	D. None of these owing? B. Prostaglandin I2 D. None of these			
ŕ	 A. Cyclooxygenase C. Phospholipase C Bacterial opsonization is mediated by which one of the followard for the f	D. None of these owing? B. Prostaglandin I2 D. None of these ctions include all of the following EXCEPT:	C		
4)	A. Cyclooxygenase C. Phospholipase C Bacterial opsonization is mediated by which one of the followal A. Hageman factor C. Immunoglobulin G Predominant cell types in typical chronic inflammatory read A. Polymorphonuclear leukocytes	D. None of these owing? B. Prostaglandin I2 D. None of these ctions include all of the following EXCEPT: B. Macrophages			
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67)	Each of the following regarding plasma cells is true EXC		С	
07)	A. The nuclei display prominent peripheral chromatin	B. They are derived from B lymphocytes		
	C. They contain prominent absorptive vacuoles	D. None of these		
68)	Tissue macrophages are derived from which one of the form			
00)	A. Resident activated fibroblasts	B. Activated B lymphocytes		
	C. Circulating monocytes	D. Platelets		
69)	Chemotactic factors are produced by:		С	
0,,	A. Lymphocytes B. Monocytes			
	C. All of the above	D. None of these		
70)	Secretory granules are prominent in all of the following		С	
. 0)	A. Eosinophils	B. Pancreatic islet cells	7	
	C. Lymphocytes	D. None of these		
71)	Upon activation, macrophages release all of the followin		С	
, 1)	A. Collagenase	B. Elastase	_ ~	
	C. Cathepsins	D. None of these		
72)	Reactive oxygen metabolites are produced by all the foll		В	
12)	A. Macrophages	B. Lymphocytes	- 5	
	C. Monocytes	D. None of these		
73)	Which of the following regarding thromboxane A2 is tru		С	
13)	A. It degrades basement membranes		\dashv	
	- v	B. It is produced via the lipoxygenase pathwayD. None of these	_	
74)	C. It stimulates platelet aggregation	D. INone of these	D	
74)	Which of the following regarding plasma cells is true?	b m 1 1 1 1 1 1 1 1	В	
	A. They secrete arylsulfatase B	B. They are derived from B-lymphocytes		
	C. They display scant endoplasmic reticulum	D. None of these		
75)	-	oning. Which of the following is a definitive sign of liver cell	C	
	necrosis?			
	A. Loss of glycogen from the cytoplasm	B. Hydropic change		
	C. Karyorrhexis	D. None of these		
76)	Yellow amorphous material in a lymph node affected by		В	
	A. Liquefactive necrosis	B. Caseous necrosis		
	C. Coagulative necrosis	D. None of these		
77)	Which of the following is diagnostic of pyknosis?		В	
	A. Enlargement of the nucleoli	B. Condensed nuclear chromatin		
	C. Dilated rough endoplasmic reticulum	D. None of these		
78)				
	hamanianantatian and inan assuland is salled	dents with cirriosis, diabetes, skin	В	
	hyperpigmentation and iron overload is called		В	
	A. Lipofuscin	B. Hemosiderin	В	
			В	
79)	A. Lipofuscin	B. Hemosiderin D. None of these	B B	
79)	 A. Lipofuscin C. Melanin Which of the following is an example of metastatic calci A. Calcification of breast carcinoma visible by 	B. Hemosiderin D. None of these		
79)	A. Lipofuscin C. Melanin Which of the following is an example of metastatic calci A. Calcification of breast carcinoma visible by mammography	B. Hemosiderin D. None of these ification:		
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	. 1	L 1	
	A. cholesterol esters	B. triglycerides	
	C. proteoglycans	D. None of these	
_	Complications of pulmonary tuberculosis include each of the		В
	A. hemoptysis	B. malignant tumors	
	C. cavitation	D. None of these	
	Bats may act as a reservoir for human		A
	A. rabies	B. tuberculosis	
	C. malaria	D. None of these	
37)	Rotavirus infections can cause which clinical entity?		C
	A. stool leukocytes	B. exanthema	
	C. watery, non-bloody diarrhea	D. None of these	
38)	Hydropic swelling of the cell is characterized by each of the	e following EXCEPT	С
I	A. efflux of potassium from the cell	B. influx of sodium into the cell	
(C. increased number of cytoplasmic organelles	D. None of these	
39)	Squamous metaplasia typically occurs in	Trong of west	A
	A. the bronchi of chronic smokers	B. skin exposed to sunlight	7.1
- 1	C. a callus	D. None of these	
		1 1	
	Hypertrophic heart muscle cells contain increased amounts		В
A	A. phagosomes	B. Total RNA contents	
(C. rough endoplasmic reticulum	D. None of these	
91)	Each of the following accumulate reversibly in the liver EX	CEPT	В
1	A. vitamin B12	B. inhaled carbon particles	
(C. glycogen	D. None of these	
92)	Each of the following are signs of necrosis EXCEPT	D. Profile of these	В
	A. cell membrane rupture	B. lipofuscin	ь
	C. pyknosis	D. None of these	
			С
93)	Enzymatic necrosis affecting the pancreas and the peripance		C
1	A. caseous necrosis	B. fibrinoid necrosis	
	C. fat necrosis	D. None of these	
	Which cation is found in extremely high concentrations in o	cells that have undergone coagulative	C
-	necrosis?		
	A. copper	B. cobalt	
	C. calcium	D. None of these	
95)	Which of the following cell types is LEAST sensitive to and		В
A	A. hepatocytes	B. fibroblasts	
(C. small intestinal absorptive cells	D. None of these	
	Reperfusion injury is characterized by the formation of pote		В
	A. hydrogen	B. activated oxygen species	
	C. hydrochloric acid	D. None of these	
	Which of the following enzymes is capable of neutralizing		В
	A. acid phosphatase	B. glutathione peroxidase	
	C. myeloperoxidase	D. None of these	
		ree well-known hepatotoxins, form reactive toxic metabolites	A
_	within the liver cells after they have been metabolized in the		
	A. smooth endoplasmic reticulum	B. Golgi apparatus	
(~	D. None of these	
`	C. mitochondria		
	Which of the following is typical of apoptosis?		В
99)		B. activation of endogenous endonucleases	В
99) <i>E</i>	Which of the following is typical of apoptosis?		В
99) #	Which of the following is typical of apoptosis? A. new DNA synthesis, as in the mitotic cycle	B. activation of endogenous endonucleases D. None of these	B A
99) 4 (00)	Which of the following is typical of apoptosis? A. new DNA synthesis, as in the mitotic cycle C. reduced cytosolic free calcium	B. activation of endogenous endonucleases D. None of these	
99)	Which of the following is typical of apoptosis? A. new DNA synthesis, as in the mitotic cycle C. reduced cytosolic free calcium Which of the following represents an example of metastatic	B. activation of endogenous endonucleases D. None of these calcification?	
09)	Which of the following is typical of apoptosis? A. new DNA synthesis, as in the mitotic cycle C. reduced cytosolic free calcium Which of the following represents an example of metastatic A. lung calcification in end-stage renal failure C. calcific mitral stenosis	B. activation of endogenous endonucleases D. None of these calcification? B. breast carcinoma visible by mammography D. None of these	
(100)	Which of the following is typical of apoptosis? A. new DNA synthesis, as in the mitotic cycle C. reduced cytosolic free calcium Which of the following represents an example of metastatic A. lung calcification in end-stage renal failure	B. activation of endogenous endonucleases D. None of these calcification? B. breast carcinoma visible by mammography D. None of these	A

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Lipid is secreted into the blood from the liver in the form of	of	В
C. glycerol	D. None of these	
Which of the following cytoplasmic structures contains fra	agmented mitochondria?	С
C. autophagosomes	D. None of these	
Squamous metaplasia of cigarette smokers is typically seen	n in the epithelium lining the	С
C. bronchi	D. None of these	
Metastatic calcification is seen in		С
A. heart failure	B. hypothyroidism	
C. hyperparathyroidism	D. None of these	
	cell reflect a release of calcium from stores in the	С
		Α
		В
	b. None of these	A
	R arachidania acid via avalaovyganasa	Λ
		Α
blood vessels?		A
		В
The activation of Hageman factor may cause each of the fo	ollowing by triggering off plasma enzyme cascades, EXCEPT	C
A. clotting	B. complement activation	
C. fibrinolysis	D. None of these	
The membrane attack complex that is formed by activating	g the complement cascade is	A
	B. lipid insoluble	
	D. None of these	
		В
ŭ	· ·	
		С
		С
A. platelet activating factor	B. eosinophil chemotactic factor	_
C. formol peptides	D. None of these	C
C. formol peptides Each of the following are accurate statements about throm	D. None of these boxane A2, EXCEPT	С
C. formol peptides Each of the following are accurate statements about throm A. produced by activated platelets	D. None of these boxane A2, EXCEPT B. causes platelet aggregation	С
C. formol peptides Each of the following are accurate statements about throm A. produced by activated platelets C. a product of the lipoxygenase	D. None of these boxane A2, EXCEPT B. causes platelet aggregation D. None of these	
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C. Changes in adherence molecules D. None of these	A. ppsonization	B. marginization	
Back			
A primary granule C, phugolysroome D. None of these C, phugolysroome D. None of these C. phugolysroome D. None of these D. No			В
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122 Each of the following is a characteristic of acute inflammation EXCEPT A. hyperemia C. endothelial cell contraction D. None of these C. Derived from Insion of macrophages D. None of these C. Endothelial cell contraction D. None of these C. Endothelial cell contraction D. None of these C. Endothelial cell cell to the side of these C. Endothelial cell cell to the side of these C. Endothelial cell cell to the side of these C. Endothelial cell cell to the side of these C. Endothelial cell cell to the side of these C. Endothelial cell cell to the side of these C. Endothelial cell cell to the side of these C. Endothelial cell cell to the side of these C. Endothelial cell cell to the side of the side o			
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C_endothetial cell contraction D. None of these			
123) Multinucleated foreign body giant cells are A Formed in acute inflammation C Derived from fusion of macrophages D. None of these			
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C. Derived from fusion of macrophages D. None of these		B. Formed in acute inflammation	
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several months suggests that infection with which of the following infectious agents has occurred: A. Influenza A virus B. Mycobacterium tuberculosis C. Cytomegalovirus D. None of these C A. elimination of epithilial cells from the gastrointestinal tract C. stroke caused by thrombosis of middle cerebral artery D. None of these			R
A. Influenza A virus C. Cytomegalovirus D. None of these 136) Each of the following is an example of apoptosis except A. elimination of epithilial cells from the gastrointestinal tract C. stroke caused by thrombosis of middle cerebral artery D. None of these			
C. Cytomegalovirus D. None of these 136) Each of the following is an example of apoptosis except A. elimination of epithilial cells from the gastrointestinal tract C. stroke caused by thrombosis of middle cerebral artery D. None of these			
136) Each of the following is an example of apoptosis except A. elimination of epithilial cells from the gastrointestinal tract C. stroke caused by thrombosis of middle cerebral artery D. None of these			
A. elimination of epithilial cells from the gastrointestinal b. destruction of hepatocytes in chronic hepatitis tract c. stroke caused by thrombosis of middle cerebral artery c. None of these		p. prone of these	С
tract C. stroke caused by thrombosis of middle cerebral artery D. None of these		R destruction of hangtocytes in chronic hangtitis	C
C. stroke caused by thrombosis of middle cerebral artery D. None of these	1 1	b. destruction of nepatocytes in chronic nepatitis	
		D. None of those	
			С

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	A. switch to anaerobic glycolysis	B. swelling of endoplasmic reticulum	
	C. rupture of lysosomes	D. None of these	
138)	Paradoxical emboli are best described as emboli:		A
	A. originating in the venous system but embolizing on the	B. occurring in a patient with thrombocytopenia	
	arterial side	D. Name of these	
120)	C. occurring in a bleeding patient The presence of giant cells in splenomegalic specimens is i	D. None of these	Α
139)	A. an unfavorable outcome	B. a favorable outcome	_ A
	C. unassociated with prognostic criterion	D. None of these	_
140)	Which of the following is thought to precede exocrine pand		В
140)	A. lendocrine neoplasia	B. lymphocytic pancreatitis	- В
	C. suppurative pancreatitis	D. None of these	
141)	· · ·		С
141)	A. anemia	B. hypoalbuminemia	\exists
	C. all of the above	D. None of these	
142)			С
172)	A. salmonella and herpesvirus	B. pasteurella and salmonella	\dashv
	C. E.coli and tetratrichomonas	D. None of these	\dashv
143)			С
1 (3)	A. liver	B. kidney	\dashv
	C. pancreas	D. Spleen	\dashv
144)	•		С
177)	A. ascites	B. cardiomyopathy	\dashv
	C. all of the above	D. None of these	
145)			С
143)	A. fibroma	B. fibroadnexal dysplasia	\dashv
	C. keloidal fibroma	D. None of these	
146)	The origin of histiocytic sarcomas are most likely:	p. prone of these	С
140)	A. reticuloendothelial	B. B lymphocytes	\dashv
	C. myeloid dendritic cells	D. None of these	
147)	Inflammation is a	p. I tone of these	В
11//	A. tissue response towards a stimulus	B. Vascularized tissue response towards a stimulus	
	C. avascular response of tissue towards a stimulus	D. None of these	
148)		p. From of these	В
1.0)	A. linjury to cell membrane	B. cell unable to maintain homeostasis	
	C. injury to smooth endoplasmic reticulum	D. None of these	
149)	Acute inflammation on skin has a sign of	or mose	A
1.,,	A. redness and swelling	B. depression	
	C. blackening	D. None of these	
150)			A
	A. has both repair and fighting characteristics	B. don't have repair but fighting characteristic	┤ ``
	C. Both	D. None of these	
151)	Adaptation is		С
/	A. low grade cell injury	B. changed state of cell to changed environment of cell	7
	establishment of new level of metabolic and functional		
	activity still preserving the cell integrity	D. None of these	
152)			С
/	A. Atrophy	B. Hyperplasia	
	C. Hypertrophy	D. None of these	
153)	The other name of type of necrosis in skeletal muscles is		С
/	A. coagulative necrosis	B. caseative necrosis	
	C. Zenkers necrosis	D. None of these	
154)			С
)	A. free radicals	B. Phopholipase	7
	C. all of above	D. None of these	
155)	Cell can survive for about 100 days	• •	A

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	A. without nucleus	B. without cell membrane	
	C. Both	D. None of these	
56)	H2O2 is precursor of		A
	A. free radicals	B. Enzyme	
	C. Both	D. None of these	
57)	Neoplasms can be classified on the basis of		D
	A. histology	B. aetiology	
	C. behaviour	D. all of above	
58)	Polymorphonuclear neutrophil granulocytes		A
	A. are important cells in bacterial infections	B. play a role in inflammation by releasing histamine	
	C. are important cells in neoplastic conditions	D. play an important role in viral infections	
59)	Frozen tissue section of a lymph node biopsy from the neclareas of necrosis. Which one would be most important to determine the description of the property of the necessary of		C
	A. cell surface markers for lymphocyte identification	B. chromosomal analysis by karyotyping	
	C. cultures for acid fast bacilli and fungi	D. culture for virus	
60)	יי		C
	A. decreased plasma oncotic pressure	increased intravascular hydrostatic pressure]
	C. increased serum albumin	D. decreased serum proteins	
61)			C
	A. Lymphocyte accumulation	B. Fibrin deposition	
	C. Granulation tissue formation	D. Tissue destruction	
62)	Each of the following is the Clinical manifestations of right		C
	A. dependent oedema	B. ascites	
	C. pulmonary oedema	D. nutmeg liver	
63)	The oedema of nephrotic syndrome is best classified as		С
	A. Hypovolemic	B. Obstructive	
	C. Oncotic	D. viraemic	-
64)			A
0+)	A. Seminoma	B. Papilloma	
	C. Chondroma	D. Hepatoma	-
<i>(</i> ((((((((((p. Hepatolila	D
65)	Proto-oncogenes are:		В
	A. DNA sequences in cells that are oncogenes themselves	B. Cellular copies of genes that were first found in	
	C. DNA viral sequences that are known to infect human cells	D. Bacterial DNA counterparts	-
66)	Which of the following findings is most useful for staging of	of a tumour	С
-,	A. Presence of necrosis	B. Presence of abnormal mitoses	1
	C. Presence of metastases	D. Absence of apoptosis	
67)	Benign tumours arising from the salivary gland epithelium		В
	A. Transitional cell epitheliomas	B. Adenomas	1
	C. Fibromas	D. adenocarcinoma	1
68)	Which of the following finding is most important for grading	ng of tumours?	С
	A. Presence of tumour cells in the vascular spaces	B. Level of invasion	1
	C. Microscopic pleomorphism of nuclei and the number of mitoses	D. degree of metastasis	
69)	Which of the following activates Hageman factor in blood	clotting?	В
	A. Kinins	B. Negatively charged surfaces]
	C. Complement C5a	D. Positively charged collagen	
70)	Epithelioid cells within granulomas are derived from which	n of the following?	В
	A. Plasma cells	B. Macrophages]
		h l	1
	C. Lymphocytes	D. Neutrophils	
71)		all of the following EXCEPT:	С
71)			С

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172)	Bacterial opsonization is mediated by?		С
. ,	A. histamine	B. prostaglandin	
	C. immunoglobulins	D. tumor Necrosis Factor	
173)	Predominant cell types in typical chronic inflammation are		A
,	A. Polymorphonuclear leukocytes	B. Macrophages	
	C. T helper lymphocytes	D. NK cells	
174)			С
,	A. Allergic dermatitis	B. Fungal esophagitis	
	C. Bacterial pneumonia	D. Viral encephalitis	
175)			D
ĺ	A. Lymphocytes	B. Monocytes	
	C. Endothelial cells	D. Collagen	
176)			С
ĺ	A. a small nodule of granulation tissue	B. a tumour composed of granulocytes	
	C. composed primarily of epithelioid cell, fibroblasts and	D. None of these	
	lymphocytes		
177)			С
	A. when the wound does not break apart	B. when the wound edges are brought together	
	C. much more slowly than healing by first intention	D. in surgically incised wounds	
178)	Keloid scar during healing:	F 1 F 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	В
1,0)	A. lis normal scar and is common	B. caused by the excess deposition of fibrin in the wound and	2
		are larger than the wound	
	C. may be prevented by pressure dressing	D. keloid are always harmful to the body	
179)	The following are true about atherosclerosis:	5. Reford the timeys mainful to the cody	С
1///	A. lit often occurs in the heart chamber	B. foamy macrophages are not seen in the lesion	C
	C. smooth muscle cells proliferation in the intima of	D. no deposition of lipid occurs in wall of blood vessel	
	vessel	b. The deposition of tiple occurs in wan of blood vesser	
180)			В
100)	A. Coagulative necrosis in the tissue	B. Hyperparathyroidism	,
	C. Pulmonary Tuberculosis	D. Liquefactive necrosis	
181)			
101)	A. neutrophils	B. total leukocytes	D
	C. C-reactive proteins	D. RBC	
182)			С
102)	A. Complement	B. Interleukin-1	C
	C. Adrenaline	D. TNF	
102)	l l		Λ
183)			A
	A. Lysozyme	B. Lymphokines	
104)	C. Complement System	D. Antibodies	
184)	1 7	D C F : 131 : 11 1	A
	A. Occurs 24 Hours After the Initial Stimulus	B. Causes Eosinophilia in blood	
105)	C. Causes Degranulation of Basophils and Mast Cells	D. Massive vasodilation of blood vessels occur	
185)	-		D
	A. Is A Feature of Wound Healing	B. Contains Fibroblasts and collagen	
	C. Contains Thin-walled Capillaries	D. occur in Granuloma	
186)			D
	A. Air bubbles	B. Amniotic Fluid	
	C. Tumour cells	D. Normal tissue cells	
187)	61 6 1		D
	A. Macrophages	B. Myofibroblast	
	C. Endothelial cells	D. Apocrine Cells	
188)	The TNFa (tumour necrosis factor alpha) is mainly produc	eed by	В
	A. B Lymphocytes	B. Macrophages	
	C. Tumour cells	D. Endothelial cells	
189)	Which one is LEAST likely to regenerate?		A
	A. cardiac muscle	B. renal tubular cells	
		1 1	

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	C. hepatocytes	D. fibroblasts	
	Healing by first intention occur when/by the following EXC		С
,	A. well-apposed skin edges are present	B. epithelial proliferation occurs	
	C. abundant granulation tissue is present	D. few inflammatory cells are present	
191)	All of these are examples of apoptosis except		D
	A. involution of uterus after pregnancy	B. necrosis of hepatocytes in viral hepatitis	
	C. deletion of autoreactive T cells from thymus	D. ischaemic injury to parenchymal cells	
192)	Which of the following sequelae of ischemia would be cons		С
	A. switch to anaerobic glycolysis	B. swelling of endoplasmic reticulum	
	C. rupture of lysosomes	D. cellular acidosis	
193)	Teratomas are best described as:		В
	A. cancers present at birth	B. cancers composed of a mix of tissues from 3 germ layers	
	C. neoplasms composed of undifferentiated anaplastic cells	D. islands of persistent embryonic tissue that normally regress	
194)	Among the following, the most likely cause to produce eder		С
	A. Cardiac failure	B. Hepatic failure	
	C. Arterial occlusion	D. Lymphatic occlusion	
195)	Which one of the following organs is least likely to have he		A
	A. Heart	B. Brain	
	C. Intestine	D. Liver	
196)	Which of the following is least likely to play an important re		D
170)	A. Arteriolar dilatation	B. Decreased venous drainage	-
	C. Decreased lymphatic drainage	D. Muscle damage near blood vessel	
197)	The most common cause of arterial stenosis is:	p. Musere dumage near brood vesser	С
177)	A. Mural thrombosis	B. Embolization	C
	C. Atherosclerosis	D. Heart failure	
198)	A transudate differs from the exudate primarily in its	D. preart famure	С
190)	A. Interstitial fluid volume	B. Presence of inflammatory mediators	C
	C. Proteins level	D. Blood vascular fluid volume	
199)	The examples of endogenous pyrogens are all except	D. Diood vascular fluid volume	С
199)	A. IL1	B. TNFalfa	C
	C. Endotoxin	D. Prostaglandins	
200)	In the climax phase of fever, all these are present except	D. 110stagrandins	A
200)	A. Peripheral vasoconstriction	B. Parasympathetic stimulation	Λ
	C. Decreased blood pressure	D. Patient has a warmth and red skin	
201)	The benefits of the fever are all of these following except	D. Fatient has a warmin and red skin	С
201)	A. High activity of immune system	B. Increase in antibody production	C
	C. Increases the chances of proliferation of microorganisms	D. Causes a decrease in the amount of plasma metal ions	
202)	All are the harmful effects of fever except	b. Causes a decrease in the amount of plasma metal ions	D
202)	A. The metabolism is increased basal metabolism	B. May cause dysfunction of parenchymal organs	υ
	C. Changes in mental condition of the animal	D. Enhanced function of the digestive tract	
203)	Cell with the following capacity comes under the stable cell		A
203)		B. 5-1.5% in mitoses	A
	A. <5 % in mitoses C. GIT cells	D. Lymphoid cells	
204)		p. Eymphoid cens	С
204)	The outer most rim in a granuloma is formed by	D. I veneho sytos	C
	A. Macrophages	B. Lymphocytes	
205	C. Fibrosis	D. Caseous necrosis	Α.
205)	The inner most rim in a granuloma is formed by	D I	A
	A. Macrophages	B. Lymphocytes	
20.5	C. Fibrosis	D. Plasma cells	D.
206)	The leukocytes can induce tissue injury except by	D W 1 1 1 1 C1	В
	A. Error in timing of phagocytosis	B. When low level of bacteria are present	
20=	C. When a larger sized organism to be engulfed	D. When the phagolysosome is ruptured	
207)	Sometimes chronic inflammation occurs when the		A
	A. Low pathogenic organism is not cleared by the	B. In cases of Mycobacterium bovis infection	
	neutrophils		

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	C. In cases of prolonged exposure to non-degradeable dust particles	D. In auto-immune diseases	
208)		ion is least likely to be seen in cases of	D
	A. Pleuritis	B. Peritonitis	1
	C. Perihepatitis and pericarditis	D. Enteritis	1
209)	The catarrhal inflation is least likely to be seen in		D
	A. Bovine viral diarrhea	B. Malignant catarrhal fever	1
	C. Endometritis	D. Peritonitis	
210)			В
	A. Mycobacterium is the cause of inflammation	B. Staphylococcus is the cause of inflammation	
	C. Autoimmune response is seen	D. Virus is the cause of disease	
211)	On the basis of duration, the inflammation is all except		D
	A. Acute	B. Chronic	
	C. Sub-acute	D. Severe	
212)	The oedema is mostly present and is visible in		D
	A. Per-acute inflammation	B. Chronic inflammation	1
	C. Granulomatous inflammation	D. Acute inflammation	1
213)	The per-acute inflammation has		С
ŕ	A. Abundant oedema	B. All the cardinal signs of inflammation	
	C. Not much exudation	D. Prominent vascular involvement	
214)	In antigen presentation by the macrophages to the lymphocy		В
	A. Class I Major histocompatibility complex is used	B. Class II Major histocompatibility complex is used	1
	C. Class III Major histocompatibility complex is used	D. Class IV Major histocompatibility complex is used	1
215)		ite and use the following substances to kill the parasite except	D
213)	A. Major basic protein	B. Eosinophil cationic protein	1 -
	C. Eosinophil derived neurotoxin	D. Leukotrienes	
216)	Fever is induced by all of the followings except	p. Ecurotricies	С
210)	A. IL-1	B. IIL-6	1
	C. IL-10	D. TNF	1
217)	<u>'</u>		A
217)	A. Ig E	B. Ig G	- A
	C. Ig A	D. Ig M	-
219)	Neutrophils, participate in inflammatory condition and	p. 1g w	В
210)	A. Are long lived	B. Mostly return to circulation	- В
			4
210)	C. Important cells against viral infections	D. Play important role in granulomatous inflammation	С
219)			
	A. Vein	B. Arteriole	4
220)	C. Venule	D. Lymphatics	-
220)	<u> </u>		В
	A. Integrin molecules	B. Selectin molecules	-
221	C. Fibronectin molecules	D. Cadherin molecules	_
221)			В
	A. 20-30 minutes	B. 30-40 minutes	4
	C. 40-50 minutes	D. 50-60 minutes	
222)			В
	A. Lectin binding	B. Immunoglobulin binding	_
	C. C3 hydrolysis	D. TNF binding	
223)	Increased arteriolar supply of blood to an organ in response		C
	A. Congestion	B. Oedema	
	C. Hyperaemia	D. Haemorrhage	
224)			D
	A. Congestion	B. Oedema	_
	C. Hyperaemia	D. Haemorrhage	
225)	Generalized oedema in which fluid accumulates especially	in subcutaneous tissues is called as	В
	A. Ascites	B. Anasarca	

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	A syndrome resulting from a disproportion between the am	ount/volume of blood and the volume of the circulatory system	В
	is called as	b las	
	A. Syndrome	B. Shock	
227)	C. Oedema	D. Haemorrhage	D
227)	Failure of the nervous system to control diameter of blood		В
	A. Cardiogenic	B. Neurogenic	
220)	C. Septic	D. None of above	D
228)	The injury to endothelial cells of an artery, allows fractions		В
	A. Funica Adventitia	B. Tunica media	
220)	C. Tunica Muscularis	D. None of the above	_
229)	called	id in larger arteries in the form of elevated, lipid-filled plaques	A
	A. Atheromas	B. Blastomas	
	C. Lipidoma	D. None of the above	
230)	Formation of a solid mass from the blood constituents, attacts thrombus and the process of formation is called	ched to the blood vessel wall or the heart chamber is called	В
	A. Embolism	B. Thrombosis	
	C. Clot	D. Chicken fat clot	
231)	Is a type of infection that may occur after an acute episode; disease can reappear it is called as	the organism is present but symptoms are not; after time the	A
	A. Latent infection	B. Acute infection	
	C. Chronic infection	D. None of the above	
222)			С
232)	Infection that is transmitted from a health care worker to a A. Acute	B. Chronic	
	C. Iatrogenic	D. Noscomial	
		D. [Noscomiai	Α.
233)	Reticulocyte count is the percent of	D. T WDC	A
	A. Immature RBCs	B. Immature WBCs	
22.4	C. Immature Neutrophils	D. Immature lymphocytes	
234)	A golden-brown, finely granular, intracellular pigment form	ned in lysosomes of cells undergoing progressive and	С
	prolonged auto-oxidation of unsaturated lipids is called as	h h	
	A. Hemosiderin	B. Bilirubin	
	C. Lipofuscin	D. None of the above	
235)			A
	A. Haemosiderin	B. Bilirubin	
	C. Lipofuscin	D. None of the above	
236)			
	A IDATA '		С
	A. DNA viruses	B. Bacteria	C
	C. Retroviruses	D. Fungi	
237)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes mus	D. Fungi st be altered for	В
237)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes mus A. Growth promoting genes	D. Fungi st be altered for B. Growth inhibitory genes	
	 C. Retroviruses To lose the anti-cancer effect, both copies of the genes mus A. Growth promoting genes C. DNA repair genes 	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above	В
238)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude:	
238)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in A. secondary wound closure	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude: B. wound infection	В
238)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in a secondary wound closure C. steroid therapy	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude:	В
238)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in A. secondary wound closure C. steroid therapy The following statements are true of wound infections:	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude: B. wound infection	В
238)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in A. secondary wound closure C. steroid therapy The following statements are true of wound infections: Staphylococcus aureus is the most common organism	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude: B. wound infection D. None MRSA wound infection is usually the result of wound	В
238)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in a secondary wound closure C. steroid therapy The following statements are true of wound infections: A. Staphylococcus aureus is the most common organism to infect the surgical wound	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude: B. wound infection D. None	В
238)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in A. secondary wound closure C. steroid therapy The following statements are true of wound infections: A. Staphylococcus aureus is the most common organism to infect the surgical wound anaerobic organisms exert their lethal effects by	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude: B. wound infection D. None MRSA wound infection is usually the result of wound	В
238)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in a secondary wound closure C. steroid therapy The following statements are true of wound infections: A. Staphylococcus aureus is the most common organism to infect the surgical wound C. anaerobic organisms exert their lethal effects by producing endo- and exotoxins	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude: B. wound infection D. None MRSA wound infection is usually the result of wound contamination by hospital staff	B B D
238)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in A. secondary wound closure C. steroid therapy The following statements are true of wound infections: A. Staphylococcus aureus is the most common organism to infect the surgical wound C. anaerobic organisms exert their lethal effects by producing endo- and exotoxins Wound healing by secondary intention takes place:	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude: B. wound infection D. None B. MRSA wound infection is usually the result of wound contamination by hospital staff D. all of the above	В
238)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in A. secondary wound closure C. steroid therapy The following statements are true of wound infections: A. Staphylococcus aureus is the most common organism to infect the surgical wound C. anaerobic organisms exert their lethal effects by producing endo- and exotoxins Wound healing by secondary intention takes place: A. when the wound does not break apart	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude: B. wound infection D. None MRSA wound infection is usually the result of wound contamination by hospital staff D. all of the above B. when the wound edges are brought together	B B D
238) 239) 240)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in A. secondary wound closure C. steroid therapy The following statements are true of wound infections: A. Staphylococcus aureus is the most common organism to infect the surgical wound C. anaerobic organisms exert their lethal effects by producing endo- and exotoxins Wound healing by secondary intention takes place: A. when the wound does not break apart C. much more slowly than healing by first intention	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude: B. wound infection D. None B. MRSA wound infection is usually the result of wound contamination by hospital staff D. all of the above	B B C
238)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in a secondary wound closure C. steroid therapy The following statements are true of wound infections: A. Staphylococcus aureus is the most common organism to infect the surgical wound C. anaerobic organisms exert their lethal effects by producing endo- and exotoxins Wound healing by secondary intention takes place: A. when the wound does not break apart C. much more slowly than healing by first intention Options for sterilization include:	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude: B. wound infection D. None B. MRSA wound infection is usually the result of wound contamination by hospital staff D. all of the above B. when the wound edges are brought together D. None of these	B B D
238) 239) 240)	C. Retroviruses To lose the anti-cancer effect, both copies of the genes must. A. Growth promoting genes C. DNA repair genes Predisposing factors for the development of keloid scars in A. secondary wound closure C. steroid therapy The following statements are true of wound infections: A. Staphylococcus aureus is the most common organism to infect the surgical wound C. anaerobic organisms exert their lethal effects by producing endo- and exotoxins Wound healing by secondary intention takes place: A. when the wound does not break apart C. much more slowly than healing by first intention	D. Fungi st be altered for B. Growth inhibitory genes D. None of the above clude: B. wound infection D. None MRSA wound infection is usually the result of wound contamination by hospital staff D. all of the above B. when the wound edges are brought together	B B C

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	A. causes gas gangrene	В. ј	produces an exotoxin	
	C. is non-motile	D.	None of these	
243)				A
	$_{\Delta}$ are distinguished from hypertrophic scars by their	В.	are caused by the excess deposition of fibrin in the	
	extent.		wound	
	C. may be prevented by pressure dressing		None of these	
244)		in bird		C
	A. Infectious broncitis	В.	Fowl cholera	
	C. infectious laryngotracheitis	D.	None above	
245)	Air sacculitis in young chicks is suggestive of			A
	A. Mycoplasma gallisepticum infection	В.	Salmonella gallinarum infection	
	C. Fowl cholera	D.	Above all	
246)	Thin shelled deformed eggs with thin albumin are indicati	ive of		В
2.0)	A. EDS infection	В.	Infectious bronchitis	
	C. Pullorum disease		Coccidiosis	
2.47			Coccidiosis	
247)	What are finding in birds suffering from sulfonamide toxici		CCL 1 Cond.	A
	A. Swollen kidneys	В.	ruffled feathers	
	C. pneumonia	D.	1 2 2 3 7 5 402	
248)		and A		C
	A. Yolk Sac	В.	Chorioallantoic membrane	
2.40	C. Allantoic cavity		Above all	
249)	Which one of the following Eimeria spp. is the most patho	ogenic	T=	C
	A. E. acervulina	В.	E. hagani	
250)	C. E. tenella	<u>, p.</u>	None of them	
250)	What is the appearance of E. coli colonies on MacConkey	y's agai		A
	A. Pink	В.	Black	_
251)	C. Colorless	<u> </u>	Above all	Α
231)	Which of the following salmonella species is host specific S. S. gallinarum		C typhimyrium	A
	C. S. typhi		S. typhimurium None above	
252)	What the usual look of bursa of Fabricius in birds affected			В
232)	A. Normal	WIUI IVI	Atrophied Atrophied	в
	C. Swollen	D.	None of them	
253)	Which of the following test can distinguish between Newca	astle di		В
233)	A. Hemagglutination test		hemagglutination-inhibition test	
	C. Both of the above mentioned		Above all	
254)	Which of the Eimeria spp. is poor in cyst production	р.	10070 411	С
	A. E. tenella	В.	E. acervulina	
	C. E. necatrix		None above	
255)	Which of the Eimeria species produces the largest schizonts			В
	A. E. acervulina		E. necatrix	
	C. E. maxima		None of them	
256)	Accumulation of smoke and foul gasses in the brooder hou	se may	result in	D
	A. respiratory distress	В.	Ascites	
	C. increased water and feed intake	D.	Both A and B	
257)	Excess ammonia in the poultry house results in			A
	A. respiratory distress		enteritis	
	C. ruffled feathers		Above all	
258)	Among all four aflatoxins (B1, B2, G1 and G2) the most po			C
	A. Aflatoxin G1		Aflatoxin G2	
0.50	C. Aflatoxin B1	D.	Aflatoxin B2	_
259)	Vitamin E supplementation of feed in chicken results in		D	A
	A. improved spermatogenesis		Decrease feed intake	
260	C. improved egg production		All of them	
∠60)	Concurrent administration of Ionophore antibiotics and tian	munn n	nay result in	С

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A. Fatty liver in chicken	B. Swollen kidneys	
C. Lameness	D. None of them	
261) Dehydration in young chicks is e	evident by	В
A. broken wings and ruffled feath	B. dryness and grooves on the shanks	
C. Dry tongue	D. All of them	
262) Partially cooked muscles is a chara	acteristic feature of	В
A. High protein diet	B. Heat stress	
C. Calcium deficiency	D. Both b and c	
263) Heat stress can be partially alleviate	ted by administering	С
A. Calcium	B. high level of Phosphorus	
C. Vitamin C	D. High level of Vitamin D	
264) Vitamin D deficiency may result	in	A
A. Thin and soft shelled eggs	B. Nervous signs	
C. Thick bone	D.	
265) Vitamin A deficiency in poultry fe	eeds may result in	В
A. Enhance epithelial repair	B. visceral urate deposits	
C. Weak bones	D. Above all	
266) After I/M injection Gentamicin re	tained in kidneys for	В
A. 10 days	B. 30 days	
C. 3 months	D. 3 months	
267) Therapeutic dose of gentamicin in		A
A. 5-10 mg/kg	B. 10-20 mg/kg	
C. 20-50 mg/kg	D. 50-100mg/kg	
	od of broilers temperature of brooding room should be	С
A. 100 F	B. 120 F	
C. 90 F	D. None of them	
269) Microscopic lesions of mycotoxic		A
A. Biliary hyperplasia	B. Biliary hypoplasia	Λ
C. Biliary hypoplasia	D. Biliary anaplasia	
	p. biliary aliapiasia	D
270) Aflatoxin mostly contaminate	b M.	В
A. Wheat	B. Maize	
C. Rice	D. All of these	
271) In Balkan nephropathies to:		A
A. Ochratoxin	B. Aflatoxin	
C. Zearalenone	D. fumonisin	
272) Ochratoxin is a		A
A. Nephrotoxic mycotoxin	B. Hepatotoxic mycotoxin	
C. None of above	D. Nboth a and b	
273) Infectious Bursal Disease is caus	sed by the virus of	A
A. Birnaviridae	B. Orthomyxoviridae	
C. Paramyxoviridae	D. None of these	
274) Infectious Bursal Disease is a dis	sease of	A
A. Up to six weeks of age	B. 8-16 Weeks of age	
C. Birds in production	D. None of these	
	emains viable in contaminated houses for	С
A. Days	B. Weeks	
C. Months	D. None of these	
276) Duration of clinical disease of II		В
·		
A. 18 - 21 days	B. 5-7 Days	
C. 1-2 Days	D. None of these	
277) In early stages of IBD, Bursa of I		A
A. swollen oedematous	B. normal	
C. Smaller in size	D. None of these	
278) In Gumboro disease kidneys exh	ibit	A
A. Swelling	B. Shrinkage	
<i>U</i>		-

	C. No change	D. None of these	
279)	Gumboro disease is a clinical disease of		A
	A. Chicken	B. Quails	
	C. Turkeys	D. None of these	
280)	Immunosuppression is a characteristic feature of		С
	A. Fowl typhoid	B. Infectius bronchitis	
	C. IBD	D. None of these	
281)	Inclusion body hepatitis is caused by		D
	A. E. Coli	B. Birna virus	
	C. Paramyxovirus	D. Adenovirus	
282)	Pathognomic feature of Hydropericardiun syndrome in c	hicken is	A
	A. Intranuclear inclusion bodies in hepatocytes	B. swollen liver and spleen	
	C. intracytoplasmic inclusion bodies in spleen	D. None of these	
	Hydropericardiun syndrome in broiler chicks usually app		С
	A. 1st week of age	B. 4 th month of age	
	C. 3-4 th week of age	D. None of these	
	Hydropericardiun syndrome in broiler chicks results in	p. prone of these	С
_0 T)	A. Enteritis with swollen liver	B. twisted legs with fluid in hydropericardium	
	C. Swollen liver with fluid in pericardial sac	D. None of these	
285)		p. prone of these	A
203)	A. less than 24 hours	D.	
	C. 3 days	B. one week D. None of these	
286)	In young Chicks, Infectious bronchitis appears as an	D. None of these	Α
200)		b lat ' b'	A
	A. Acute disease	B. Chronic Disease	
	C. Subacute disease	D. None of these	- D
287)			В
	A. leg weakness	B. Deformed and weak egg shells	
200)	C. Purulent pneumonia	D. None of these	
288)	Different strains of IB virus are		В
	A. Antigenically related	B. Antigenically different	
	C. Different strains do not exist	D. None of these	
289)	Hosts for IB virus include		C
	A. Turkeys	B. Pigeons	
	C. Chicken	D. None of these	
290)	IB infection causes high mortality in		В
	A. laying hens	B. Young chicks	
	C. in both of the above	D. None of these	
291)	Laryngotracheitis results in intracytplasmic inclusion boo	dies in	A
	A. tracheal epithelial cells	B. endothelial cells of lungs	
	C. Tubular epithelial cells of kidney	D. None of these	
292)	Birds suffering from laryngotracheitis show following cl	inical sign	D
Ī	A. Blood stained mucus coming from nostrils	B. Difficult breathing	
<u> </u>	C. High mortality	D. Above all	
293)	Causative agent of Laryngotracheitis is a		В
1	A. Bacteria	B. Virus	
	C. Fungus	D. None of these None of these	
294)	Laryngotracheitis is a disease of		В
Ì	A. Chicks	B. Growing and adult chicken	
	C. Both of the above	D. None of these	
295)			
<i>493)</i>	Which of the following diseases spread rapidly in a flock	ς?	В
293)	Which of the following diseases spread rapidly in a flock A. Laryngotracheitis	B. Infectious bronchitis	В
,			В

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	A. Thick egg albumin	B. Thin egg albumin	
	C. Egg albumin and yolk mixed	D. None of these	
297)	Breeding hens infected with field IBD virus transfer mate	ernal antibodies to their chicks which may protect them from IBD	A
	for		
	A. 2-4 weeks	B. 2-4 months	
	C. for life	D. None of these	
298)	Newcastle disease virus infects the birds of		A
	A. all ages	B. young chicks	
	C. Adult birds	D. None of these	
299)	Velogenic strains of NDV can cause		A
	A. up to 100 percent mortality in susceptible birds	B. lup to 20 percent mortality in susceptible birds	
	C. No mortality in susceptible birds	D. None of these	
300)	Nervous signs are a prominent feature of ND virus infect	ion caused by	С
	A. mesogenic strains	B. lentogenic strains	
	C. velogenic starain	D. None of these	
301)	Following diseases are vertically transmitted to newly ha	tched chicks	D
	A. Newcastle Disease	B. Infectious Bronchitis	
	C. Gumboro Disease	D. None of these	
302)	·		С
	A. 6 segments	B. 4 segments	
	C. 8 segments	D. None of these	
303)			В
ĺ	A. 38 °C	41 °C	
	C. 43 °C	D. None of these	
304)		F 1 1 1 1 1 1 1 1 1 1	В
,	A. Haemophilus gallinarum	B. Haemophilus paragallinarum	
	C. Salmonella gallinarum	D. None of these	1
305)	Č		В
ĺ	A. Mesogenic	B. Lentogenic	
	C. Velogenic	D. None of these	
306)		B. None of these	A
300)		b E:	Α
	A. Eimeria acervulina	B. Eimeria enella	
	C. Eimeria brunette	D. None of these	
307)	<u> </u>		A
	A. Tylosin	B. Oxytetracycline	
	C. Gentamicin	D. None of these	
308)	Which one of the following antibiotic is most effective for	or treatment of coccidiosis?	A
	A. Amprolium	B. Zinc Bacitracin	
	C. Neomycin	D. None of these	
309)	Aflatoxins are produced by	F. 1 - 1540 07 mose	A
	A. Aspergillus parasiticus	B. Aspergillus nigar	
	C. Penicillium viridicatum	D. None of these	
310)	In recovery stage of coccidiosis birds become more susce		С
	A. Mycotic Diseases	B. Ricketsial Diseases	
	C. Clostridial Diseases	D. None of these	
311)	Collibacillosis is caused by	p. p. one of these	С
	A. Salmonella gallinarum	B. Streptococcus aureus	~
		p. phopococcus unicus	
		D. None of these	
312)	C. Escherichia Coli	D. None of these	R
312)	C. Escherichia Coli Spirochetosis is caused by		В
312)	C. Escherichia Coli	D. None of these B. Borrelia anserina D. None of these	В

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	A. Collibacillosis	B. Salmonellosis	
	C. Mycoplasmosis	D. None of these	
314)	Infectious Laryngotracheitis is caused by		C
	A. Pox virus	B. Herpes virus	
	C. Corona Virus	D. None of these	
315)	Brooder Pneumonia is caused by		A
	A. Aspergillus fumigatus	B. Penicillium veridatum	
	C. Rizopus nigricus	D. None of these	
316)	· · ·		A
	A. Group A	B. Group B	
	C. Group D	D. None of these	
317)	Most common reservoir of Avian Influenza virus is		С
ĺ	A. Insects	B. mammals	
	C. Water fowl	D. None of these	
18)	AI virus causes agglutination of	or meso	В
,	A. streptococci	B. Red blood Cells	-
	C. White Blood Cells	D. None of these	
319)		p. prone of diese	A
,	A. Avian influenza virus	B. Newcastle disease virus	† · · ·
	C. Mycobacterium paratuberculosis	D. None of these	
(20)		p. profic of these	A
,20)	A. Avian influenza	B. Newcastle disease	- "
	C. Salmonella spp.	D. None of these	
321)			В
021)			- 1
	A. Live vaccines	B. Killed vaccines D. None of these	-
	C. Genetically modified vaccines	<u> </u>	
22)	1		A
	A. 100 percent	B. Not more than 20 percent	
	C. No mortality	D. None of these	
323)	Most commonly employed test for determining the antib		В
	A. Agar gel precipitation test	B. Hemagglutination inhibition	
	C. Polymerase chain reaction	D. None of these	
24)	, , ,	-	В
	A. Agar gel precipitation test	B. Hemagglutination inhibition	
	C. Polymerase chain reaction	D. None of these	
325)	Lesions of avian pox comprise of		A
	A. raised confluent blackish lesions on the comb	B. ulcers on the intestinal mucosa	
	C. pustules on the mucosa of proventriculus	D. None of these	
26)	Pathognomic microscopic lesion of avian pox is		A
	A. intracytoplasmic inclusion bodies in hyperplastic	B. intranuclear inclusion bodies in hyperplastic epithelial	
	epithelial cells	cells	
	C. No inclusion bodies in the epithelial cells	D. None of these	
327)	Avian encephalomyelitis infection in adult chicken resul		D
	A. hemorrhages on the spleen	B. ulcers in the intestine	_
	C. Nervous disorder	D. None of these	
328)		1 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	A
-,	A. chicks up to one week of age	B. chicks of 4 weeks of age	†
	C. in old birds	D. None of these	
			В
(29)		oc prevented by	Б
329)	1 , , , ,	R Vaccinating the breading fleels	
329)	A. vaccinating the chicks for AE at hatchery C. Avoid hatching from the infected breeding flooks	B. Vaccinating the breeding flocks D. None of these	=

iscip	

	A. nervous disorder	B. watery diarrhea	
	C. lesions on the liver	D. None of these	
331)	A recently infected breeding flock vertically trans	smit virus into eggs for about	A
	A. 2-3 weeks	B. No vertical transmission	
	C. for life	D. None of these	
332)	Newcastle disease virus can be propagated		В
	A. on Nutrient agar	B. Chicken embryo	
	C. In broth	D. None of these	
333)			A
333)	A. Spleen enlarged 3-5 times		A
	C. pneumonia	B. Ruffled feathers D. None of these	
22.4	<u> </u>		
334)	Vector for the transmission of spirochaetosis infe		A
	A. Argus persicus	B. Waterfowl	
	C. round worms	D. None of these	
335)	Spirochetosis is a disease of		В
	A. cold climate	B. tropical areas	
	C. World Wide	D. None of these	
336)	Spirochaetosis can be prevented by	· ·	A
	A. Eradicate the ticks	B. Eradicate wild fowls	
	C. Continuous use of antibiotics	D. None of these	
337)			A
331)	A. Spirochaetosis	B. CRD	
	C. coccidiosis	D. None of these	
338)	l l	D. Inone of these	Α.
330)	3	h 1	A
	A. Herpes virus	B. oncorna Virus	
	C. clostridium organisms	D. None of these	
339)	Clinical Mareks disease can appear as early as		В
	A. 1 week old birds	B. 8 weeks old birds	
	C. not before 30 weeks of age	D. None of these	
340)	Mareks Disease transmission occurs		В
	A. Vertically	B. horizontally	
	C. by both above mentioned means	D. None of these	
341)	Vaccination for Mareks is performed		A
- /	A. at one day of age	B. At 3 weeks	
	C. at 7 weeks	D. None of these	
3/2)	Microscopic lesions in Mareks disease tumors inc		A
342)			A
	A. pleomorphic lymphocytic cells	B. Homogenous population of lymphoblasts	
2.42\	C. None of the above	D. None of these	
343)	Lymphoid leucosis is caused by		A
	A. Oncorna C viruses	B. Herpes virus	
	C. Orthomyxovirus	D. None of these	
344)	Lymphoid Leukosis is observed in birds of age		В
	A. 4 weeks	B. 12 weeks and above	
	C. Not before 25 weeks	D. None of these	
345)	In lymphoid leucosis tumors do not develop in		С
ĺ	A. liver	B. Spleen	
	C. iris	D. None of these	
346)			В
J +U)			
	A. pleomorphic lymphocytic cells	B. Homogenous population of lymphoblasts	
2.45	C. None of the above	D. None of these	-
347)	, i		В
	A. hepatocytes	B. polymorph leukocytes	
	C. Bone cells	D. None of these	
348)	In lymphoid leucosis clinical cases continue to ap		В

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	A. 10 weeks after appearance of tumors	B. For life	
	C. 20 weeks after appearance of tumors	D. None of these	
349)	In Mareks disease tumors cells give positive reaction	n for	D
	A. IGg antibodies	B. IGA antibodies	
	C. IGM antibodies	D. None of these	
350)	In Lymphoid leukosis tumors cells give positive read	ction for	C
	A. IGg antibodies	B. IGA antibodies	
	C. IGM antibodies	D. None of these	
351)	In Mareks disease tumors cells give positive reaction		В
ĺ	A. B- Cells	B. T- Cells	
	C. Both of above	D. None of these	
352)	In Lymphoid leucosis tumors do not develop in	1 2 1 2 2 2 2 2 2 2	A
	A. Nerves	B. muscles	
	C. Ovary	D. None of these	
353)	Mareks disease virus is present	p. prone of these	A
333)	A. World Wide	B. In asian countries	
	C. in American countries	D. None of these	
354)		p. profic of these	С
JJ7)		B. at one weeks of age	—
	A. at one day of age C. Not vaccinated	D. None of these	
255)			D
355)			В
	A. Yes	B. No	
	C. may or may not shed	D. None of these	
356)	Birds suffering from Lymphoid leukosis shed virus in		A
	A. Yes	B. No	
	C. may or may not shed	D. None of these	
357)	Lameness and blind ness is observed in flocks suffer	ring from	A
	A. Mareks disease	B. Reticuloendotheliosis	
	C. Myeloid Leukosis	D. None of these	
358)	Birds suffering from lymphoid leucosis can be kept	for breeding purposes	A
	A. No	B. Yes	
	C. Yes after treatment	D. None of these	
359)	Birds suffering from Mareks disease can be kept for		В
,	A. No	B. Yes	
	C. Not even after treatment	D. None of these	
360)	Mycoplasama gallisepticum is the responsible for	p. prone of these	A
500)	A. respiratory disease	B. lenteritis	
	C. nervous derangement	D. None of these	
361)	Mycoplasma synoviae is	p. profic of these	В
301)	* * *	b	
	A. a nonpathogenic organism	B. causes lameness	
2.62)	C. responsible for shell less eggs	D. None of these	
362)	1 7	L I.	A
	A. concurrent infection of <i>E. coli</i> and MG	B. Concurrent infection of Fowl cholera and <i>E. coli</i>	
_	C. caused by infectious bronchitis	D. None of these	
363)	1		C
	A. 3 days	B. 3 weeks	
	C. Long and protracted	D. None of these	
364)	Mycoplasma gallisepticum infected breeder flock		A
	A. Should not be used for production of chicks	B. should be treated before hatching their eggs	
	C. May be used for production of chicks	D. None of these	
365)	Mycoplasma melagreadis produces disease in		В
	A. chicken	B. Turkeys	
	C. all species of birds	D. None of these	
		ı l	

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366)	Serum plate agglutination test for MG gives false positi	ve results if birds are	С
	A. Fed canola meal	B. infected with E. coli	
	C. administered killed vaccines	D. None of these	
367)	Infectious coryza is a disease of		В
	A. Young Chicks	B. growing and laying birds	
	C. male chicken only	D. None of these	
368)			A
<i>'</i>	A. horizontally	B. Vertically	
	C. does not spread	D. None of these	
369)	Infectious coryza	, , , , , , , , , , , , , , , , , , , ,	A
ĺ	A. reoccurs after treatment	B. solid immunity develops after infection	
	C. causes high mortality	D. None of these	
370)	Infectious coryza can be prevented by	p. prone of these	С
370)	A. Continuous antibiotic treatment	B. using live vaccines	
	C. using killed vaccine	D. None of these	
371)		p. profile of these	В
3/1)	-	B. short duration (18-36 hours)	
	A. long duration (weeks) C. Very short duration (3-6 hours)	D. None of these	
272)		D. None of these	
372)		L In	A
	A. Pasturella multocida	B. Salmonella typhi	
	C. Pseudomonas auroginosa	D. None of these	
373)	Fowl Cholera is a disease of		В
	A. young chicks of 2 weeks of age	B. Maturing and adult birds	
	C. cull birds	D. None of these	
374)	In chronic fowl cholera characteristic findings are		D
	A. Swelling of Wattles	B. purulent pneumonia	
	C. peritonitis	D. All of the these	
375)	Fowl cholera is spread by		В
	A. aerosol means	B. vertical spread	
	C. Carrier birds	D. None of the these	
376)	In acute fowl cholera mortality is		В
	A. low (below 5%)	B. high ((Above 30%)	
	C. no mortality	D. None of the these	
377)	Necrotic enteritis usually accompany or follow		A
	A. coccidiosis	B. Fowl cholera	
	C. mycoplasma infection	D. None of the these	
378)	Causative agent for necrotic enteritis is		С
	A. E. coli	B. Streptococcus spp.	
	C. Clostridium perfringens	D. None of the these	
379)	In necrotic enteritis duration of the clinical course is	· · ·	A
,	A. very short (few hours)	B. 3-5 Days	
	C. more than a week	D. None of the these	
380)			В
	A. emaciated	B. Well fed	
	C. males only	D. None of the these	
381)			С
/	A. Salmonella typhimurium	B. Mycoplasma iowe	
	C. Clostridium colinum	D. None of the these	
382)		p. prone of the these	A
302)		Deposition	
	A. no clinical signs C. emaciation	B. constipation D. None of the these	
302)	<u> </u>	ρ. μνομε οι the these	В
383)		b 1	В
	A. salmonella spp.	B. clostridium spp.	
	C. klebsella spp.	D. None of the these	

384)	Clinical signs of Clostridium botulinum infe	ction in chicken are characterized by	A
ĺ	A. Progressive paralysis	B. Respiratory signs	
	C. Excitement	D. None of the these	
385)		1 -1	В
ĺ	A. endotoxins	B. exotoxins	
	C. calcium	D. None of the these	
386)	Staphylococcus aureus is responsible for		A
,	A. early chick mortality	B. Necrotic enteritis	
	C. respiratory distress	D. None of the these	
387)	In chicken, <i>Staph. aureus</i> is mainly responsi		A
	A. Purulent arthritis	B. Enteritis	
	C. Pneumonia	D. None of the these	
388)	Organism contaminating the eggs in the nest	is	A
	A. Escherichia coli	B. Mycoplasma gallisepticum	
	C. Pasturella multocida	D. None of the these	
389)	For Biosecurity purposes distance between t		В
	A. 200 meters	B. 1000 meters	
	C. 5000 meters	D. None of the these	
390)	Aspergillosis (Brooder pneumonia) in young		В
ĺ	A. rice husk	B. Saw dust	
	C. sand	D. None of the these	
391)	Round worms in the chicken gut can be succ		С
	A. Oxytetracycline	B. Lincomycin	
	C. Levamisole	D. None of the these	
392)			С
	A. Zinc bacitracin	B. chlortetracycline	
	C. Salinomycin	D. None of the these	
393)	Egg drop syndrome virus infection results de	В	
	A. Lameness in the laying hens	B. weak shelled eggs	
	C. Watery albumin of eggs	D. None of the these	
394)	EDS virus is propagated in		С
Í	A. chicken embryo	B. Partridge embryo	
	C. Duck embryo	D. None of the these	
395)		F - F	A
/	A. fatty change	B. perihepatitis	
	C. hepatocellular carcinoma	D. None of the these	
396)	Minimum acceptable level of aflatoxins B1 i		С
-,	A. 100 ppb	B. 300 ppb	
	C. 20 ppb	D. None of the these	
397)	<u> </u>	p. p. one of the mode	A
	A. Cardiac dilatation	B. atrophy of muscles	
	C. nerve degeneration	D. None of the these	
398)	Copper sulfate toxicity in chicken results in	p. p. one of the these	A
270)	A. liver damage	B. muscular degeneration	
	C. nervous derangement	D. None of the these	
399)			С
277)	A. 3%	B. 5 %	
	C. less than 1 %	D. None of the these	
400)		p. prone of the these	A
100)	A. Ascites	B. muscle degeneration	- A
	C. soft bones	D. None of the these	
401)	Low dietary phosphorus levels result in	p. prone of the these	В
-01)	A. hyperesthesia	B. Visceral gout	
Ì	C. Blindness	D. None of the these	
1	C. Dimuncas	p. profie of the these	

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402)	Excess dietary Calcium levels result in		A
- /	A. Urate deposits in kidneys	B. liver damage	
	C. cardiac dilatation	D. None of the these	
403)		-	В
	A. small size of eggs	B. weak shell of eggs	
	C. kidney damage	D. None of the these	
404)		· ·	A
	A. E. coli	Salmonella	
	C. Clostridium	D. None of the these	
405)	Characteristic lesion in <i>E.Coli</i> infection is	· .	A
	A. Pericarditis & Perihapatitis	B. Hemorrhagic enteritis	
	C. Swollen and edematous bursa	D. None of the these	
406)	Salmonellosis is also called as		A
	A. Bacillary white diarrhea	B. White scour	
	C. Bloody diarrhea	D. None of the these	
407)		L 1	В
ĺ	A. Salmonella pullorum	B. salmonella gallinarum	
	C. salmonella typhimurium	D. None of the these	
408)	1 -	b. None of the these	A
400)		D O	
	A. Chloromphenicol	B. Oxytetracycline	
	C. Tylosin	D. None of the these	
409)	, , , , , , , , , , , , , , , , , , ,		A
	A. Salmonella	B. E.Coli	
	C. Streptococcus	D. None of the these	
410)	Coccidiosis is a disease of		C
	A. Broilers	B. Layers	
	C. Both above	D. None of the these	
411)	Increase vitamins reduce the mortality		A
	A. Vit. A & Vit.K	B. Vit. C & Vit.K	
	C. Vit. B & Vit.C	D. None of the these	
412)	Cecal Coccidiosis is caused by		A
	A. Eimeria tenella	B. Eimeria acervulina	
	C. Eimeria praecox	D. None of the these	
413)	Coccidiosis is a		A
	A. protozoal disease	B. bacterial disease	
	C. viral disease	D. None of the these	
414)	Coccidiosis is a		В
	A. vertically transmitted disease	B. horizontally transmitted disease	
	C. None of any one	D. None of the these	
415)	In Coccidiosis hemorrhages occur in		A
	A. Intestine	B. Proventriculus	
	C. Heart	D. None of the these	
416)	In recovery stage of Coccidiosis birds are more s	usceptible to	A
	A. Clostridial diseases	B. Fungal Diseases	
	C. Viral diseases	D. None of the these	
417)	Renal Coccidiosis is common in		A
	A. Geese	B. Ducks	
	C. Chicken	D. None of the these	
418)	In chicken species of Eimeria have been de	escribed	A
	A. 9	В. 6	
	C. 12	D. None of the these	
419)	Epitheliogenesis imperfecta ligua bovis is a defec	ct in which tongue is	A

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A. Abnormally smooth	B. Normally smooth	
C. Abnormally rough	D. All of these	
	nal glossopharyngeal defect, as it cannot suckle because of	В
A. Malformed web-shaped tongue	B. Malformed small pointed tongue	
C. Abnormally smooth tongue	D. All of these	
421) Wolf teeth or Supernumerary teeth is rudime		С
A. Ram	B. Bull	
C. Horse	D. Both A&B	
422) Most frequent congenital anomaly is cleft pa		С
A. Caprines	B. Equines	
C. Bovines	D. Both A&C	
423) Ptylism is hyper secretory phase; seen in	F 1	A
A. Strangle in horse	B. Equines Infectious anemia	
C. Chocking in Horse	D. All Above	
424) Ptylism is hyper secretory phase; seen in	1 1 2 2 2 2 2	В
A. FMD in calves	B. Vit. A deficiency - in calves	
C. Neonatal calf diarrhoea	D. All Above	
425) Adenocarcinoma is malignant tumour of	, ,	С
A. Muscles	B. Bones	
C. Glands	D. All Above	
426) Choking is common in		В
A. Horse	B. Cattle	
C. Goats	D. Both B&C	
427) Eaten sharp pieces of bones lodge in thoracic	esophagus in	С
A. Bovines	B. Equines	
C. Canines and Felines	D. Both A&B	
428) If choke is not relieved within 3 days leads to	death due to local	A
A. Gangrene	B. Congestion	
C. Hemorrhages	D. None of these	
429) Choke may interfere with regurgitation of gas	leads to	В
A. Diarrhoea	B. Typmany	
C. Constipation	D. None of these	
430) Functions of rumen, reticulum and omasum ar	е	A
A. Storage of fodder and bacterial decomposit		
C. Bacterial decomposition	D. All Above	
431) Rumen, reticulum and omasum have		В
A. No secretory activity	B. Secretory activity	
C. Hyper secretory activity	D. All Above	D
432) Bloat is accumulation of excessive quantity (В
A. Reticulum	B. Rumen	
C. Omasum	D. None of above	
433) As a result of interference with normal eructat		В
A. Diarrhoea	B. Pathological bloat	
C. Constipation	D. Both A&B	
	hly sensitive prehensile organs and delicate sense of taste	A
A. Bovine	B. Equine	
C. Porcine	D. All Above	
435) Ingested sharp objects go to reticulum and can		A
A. Anteriorly	B. Posteriorly	
C. None of the above direction	D. None of these	
436) Important pathological processes seldom occur		B
A. Reticulum	B. Omasum and the esophageal groove	
C. Rumen	D. All Above	
437) Inflammation of the mucosa of the stomach i		В
A. Stomatitis	B. Gastritis	

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	C. Gastro-enteritis	D. Both A&C		
438)	Free blood present in acute hemorrhagic gastritis turns to			
,	A. Red	B. Brown	В	
	C. Bluish	D. Both A&C		
439)	Typhlitis is the inflammation of		A	
.07)	A. Cecum	B. Tongue		
	C. Stomach	D. None of these		
440)	Hemorrhagic enteritis is a violent form of	D. Trong of these	A	
,	A. Catarrhal enteritis	B. Purulent enteritis	7	
	C. Fibrinous enteritis	D. None of these		
441)	FMD is Disease of	F · F · · · · · · · · · · · · · · · · ·	В	
/	A. Closed footed animals	B. Cloven footed animals and human beings		
	C. None of the above	D. All of these		
442)	Vesicular lesions are present on oral mucosa covering lips,		A	
/	A. FMD	B. Rinderpest		
	C. Malignant catarrhal fever	D. All of these		
443)	Epithelium of the anterior 2/3 dorsum of the tongue become		С	
113)	A. Rinderpest	B. Malignant catarrhal fever	\exists	
	C. FMD	D. None of these		
444)	In younger animals the disease is fatal, high mortality due		В	
)	A. Bovine viral diarrhea	B. FMD	\dashv	
	C. Paratuberculosis	D. All Above	\dashv	
115)	C. If a attuber curosis This disease can deprive whole the world from meat/beef v		A	
443)		B. Malignant catarrhal fever	-	
	A. Rinderpest C. Tuberculosis	D. None of these	_	
11()			D	
446)	The abomasum is one of the most common sites of lesions		В	
	A. Malignant catarrhal fever	B. Rinderpest	_	
4.45	C. Paratuberculosis	D. All Above	-	
447)	Vesicles are not seen at any stage of the disease	h h	В	
	A. Actinomycosis	B. Rinderpest		
	C. Actinobacillosis	D. All Above		
448)	Streaks of congestion along the folds of mucosa produce a		C	
	A. Mucosal disease complex	B. Johne's disease		
	C. Cattle plague	D. Both A&B		
449)		ality 90-98% in sheep, goat, cattle and camel characterized by	C	
	high fever, focal erosive lesions confined to mucosa of alir			
	A. Malignant catarrhal fever	B. Paratuberculosis		
	C. Cattle plague	D. Both A&B		
450)	Cooked brain appearance and odour resembling the	nutrient broth is seen in	Α	
	A. Malignant catarrhal fever	B. Paratuberculosis		
	C. Johne's disease	D. All Above		
451)	Failure of skin lesions to heal is important, a clinical findir	ng suggestive of	A	
	A. Chronic Mucosal disease	B. Johne's disease		
	C. FMD	D. All Above		
452)	Lumpy jaw is seen in		С	
- /	A. Rinderpest	B. Actinobacillosis		
	C. Actinomycosis	D. Both A&B		
453)		p. p. 0	В	
100)	Wooden Tongue is the seen in			
	A. Malignant Catarrhal Fever	B. Actinobacillosis		
	C. Actinomycosis	D. All Above	\dashv	
454)	Edema and cyanosis of tongue are so striking that the nar		A	
	A. Blue tongue	B. Actinobacillosis		
	C. Actinomycosis	D. None of these		

Discipline:

	A. Chronic Mucosal disease	B. Johne's disease		
	C. Blue tongue	D. None of these		
56)	The disease may terminate in Severe Emaciation, Pro-	stration and Muscular Weakness which may last 3 weeks	В	
	or more, Followed by Pulmonary Edema and Death fr	om Pneumonia.		
	A. Chronic Mucosal disease	B. Blue tongue		
	C. Johne's disease	D. All Above		
57)	The disease is characterized by severe cyanosis of the distal	portion of the tongue which makes it practically black Name the	C	
	disease			
	A. FMD	B. Blue tongue		
	C. Black tongue	D. None of these		
58)	In chronic cases of hepatitis, liver cell carcinoma in		A	
	A. 10% cases	B. 20% cases		
	C. 15% cases	D. None of these		
59)	Which enzyme is thought to be liver specific and is release		В	
	A. AST	B. ALT	4	
	C. ALP	D. None of these		
50)	In hepatitis patients prothrombin times increased due to		A	
	A. Upset of Coagulation mechanism	B. Increased ALT	_	
	C. Increased AST	D. All Above		
51)	In hepatitis patients ascities develops due to		В	
	A. Upset of Coagulation mechanism	B. Portal hypertension	_	
	C. Increased ALT	D. All Above		
52)			В	
	A. Clostridium perfringens	B. Bacillus anthracis	4	
	C. Trypanosoma equiperdum.	D. None of these		
53)			A	
	A. Cutaneous (skin), inhalation, and gastrointestinal forms	B. Inhalation, and reproductive forms	_	
- 4\	C. Cutaneous, nervous and gastrointestinal forms	D. All Above		
54)		h h.	В	
	A. Yes	B. No	4	
	C. None of the above	D. All Above		
55)			A	
	A. Edema, protective antigen, capsule and lethal factor	B. Protective antigen, flagella and lethal factor	4	
	C. Edema, flagella, and protective antigen	D. All Above	-	
66)		b F1 / '	С	
	A. Lethal toxin	B. Edema toxin	_	
7)	C. Edema toxin and lethal toxin	D. Both A&B		
7)	Grossly skin is composed of	D E: I	A	
	A. Three Layers	B. Five Layers D. None of above		
(Q)	C. Seven Layers Dormis is congreted from anidormis by	p. profile of above	В	
10)	Dermis is separated from epidermis by A. Thick basement membrane	B. Thin basement membrane	В	
	C. None of the above	D. All above	_	
(0)	In dermis, papillary layer is composed of	p. All above	В	
(כנ	A. Connective tissue and collagen fibers	B. Connective tissue, collagen & elastic fibers	- Б	
	C. Collagen & elastic fibers	D. All Above	_	
<u>'(U)</u>				
U)	A. Hair coat and stratum corneum	B. Pigments and stratum corneum	С	
	C. Hair coat, pigments, stratum corneum	D. None of these	1	
11	Hypodermis is rich in elastic fibers and	P. profic of these	A	
1)	A. Poor in collagen fibers	B. Rich in collagen fibers	A	
	C. No collagen fibers	D. All Above	1	
<u> </u>		p. All Auuve	A	
(2)		B Goat-pox and lumpy skin disease	A	
	A. Sheep-pox, goat-pox and lumpy skin disease C. Sheep-pox	B Goat-pox and lumpy skin disease D Lumpy skin disease	1	
		ce is free of hair or wool remains there with	A	

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	A. Star-shaped lesion	B. Square-shaped lesion		
	C. Triangular-shaped lesion	D. None of above		
74)	In sheep-pox, mortality reaches upto			
	A. 70 %	B. 100%		
	C. 50%	D. Both A&B		
75)	In lumpy skin disease, cutaneous firm nodules reaches up	to (diameter)	С	
	A. 10 cm	B. 15 cm		
	C. 5 cm	D. Both A&B		
76)	In pseudo-cowpox, after healing when scabs are removed free of hair or wool remains there with	d, raised lesion that heals from the centre and leaves a surface is	A	
	A. Horse-shoe or circular lesion	B. Square-shaped lesion		
	C. Triangular-shaped lesion	D. Both B&C		
7)	Parapoxvirus which has similar characteristics to		D	
	A. Vacciniavirus	B. Smallpoxvirus		
	C. Orthopoxvirus	D. All Above		
8)	Contagious ecthyma infection is more in		Α	
	A. Young animals	B. Old animals		
	C. None of the above	D. All Above		
9)	In contagious ecthyma excessive & abnormal keratinizati	on in the form of	В	
•	A. Scabs	B. scales & fissures		
	C. None of the above	D. All Above		
0)	Solar dermatitis is also associated with		A	
_	A. Squamous cell carcinoma/horn core cancer	B. Haemangiosarcoma		
	C. Fibroma	D. None of Above		
1)	•		В	
-,	A. Single/local site	B. Multiple sites		
	C. None of the above	D. All Above		
2)	In flea bite following reaction (s) take place:			
<i>_</i>)	A. Type I (Immediate Hypersensitivity reaction–IgE)	B. Type IV (Delayed Hypersensitivity reaction– Lymphocytes)	С	
	C. Both Type I and type IV	D. None of these		
3)			С	
3)	A. Keratinase	B. Lipase	C	
	C. Both above	D. None of above		
4)			Λ.	
+)	· ·		A	
	A. Trichophyton verrucosum	B. Demodex folliculorum		
	C. Trichophyton equinum	D. Both B&C	D	
3)	Highly contagious and sost severe type of mange is	D. Consertio manage	В	
	A. Chorioptic mange	B. Sarcoptic mange		
\sim	C. Demodectic mange	D. All Above		
5)		b g	A	
	A. Chorioptic mange	B. Sarcoptic mange		
	C. Demodectic mange	D. None of these		
/)	Leg mange is also a problem in agricultural animals, the i		C	
	A. Sarcoptic mange	B. Demodectic mange		
	C. Chorioptic mange	D. None of these		
8)			C	
	A. Anterior presentation	B. Posterior presentation		
	C. Both presentation	D. None of these		
9)	these include:	ps muscles revealed that they are swollen and hard as wood,	В	
	A. femoral or gluteal	B. Lumber, femoral or gluteal		
	C. Gluteal or lumber	D. None of the above		
0)	In Monday Morning disease, when O2 immediately is lim	ited, the remaining 4/5 pyruvic acid is converted to	В	
υ,				
٠,	A. Formic acid	B. Lactic acid		

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491)	In Monday Morning disease color of Urine is darker to bro	wn shade	due to	С	
,	A. Haematuria		moglobinuria		
	C. Myoglobinuria	D. Both			
492)	In azoturia, biochemical changes in affected muscles reveal			A	
,	Glycogen/Adenosine triphosphatase/Creatine	Lac	etate/Glucose		
	A. phosphatase	B. Lac			
	None of the above	D A 11	A1		
	C.	D. All	Above		
493)	In azoturia, serum analysis reveals increased concentration	of		В	
	A. Glycogen/Adenosine triphosphatase/Creatine	B. Crea	tine phosphokinase and AST		
	phosphatase				
	C. ALT	D. None	e of Above		
494)	Synonyms Of White Muscle Disease are			D	
	A. Enzootic Muscular Dystrophy	B. Stiff	Lamb Disease		
	C. Nutritional Muscular Degeneration	D. All o	of the above		
495)	Selenium is Essential part of enzyme (s)			C	
	A. Selenoenzyme	B. Gluta	athione peroxidase		
	C. Both above	D. None	e of these		
496)	An antioxidant agent to protect Cellular membranes is			В	
ŕ	A. Vit. D	B. Vit. 1	E		
	C. Vit. C	D. Vit.			
497)	l l			В	
/	A. Azoturia		te muscle disease		
	C. Haemoglobinuria	D. Both			
498)				С	
170)	A. Compound Fracture		acted Fracture		
	C. Green stick Fracture		e of these		
499)					
7///	A. Compound Fracture		acted Fracture	A	
	C. Green stick Fracture				
500)					
300)	A. Least importance		ne importance	В	
			e of these		
501)	C. Secondary importance Principal causes of osteodystrophies are the deficiencies or			D	
301)				ע	
	A. Calcium	B. Phos	spnorus		
500)	C. Vit. D	D. a-c			
502)		aratnyroid	ilsm, development of osteoporosis and fibrous	A	
	osteodystrophy	b b1	1		
	A. Calcium	B. Phos			
502 \	C. Vit. D	D. All A	Above	D	
503)	Primary hyperparathyroidism in animals is	b b		В	
	A. Common	B. Rare			
504	C. None of the above	D. All <i>A</i>	Above		
504)	End result of Rickets/osteomalacia may be			Α	
	A. Fibrous osteodystrophy		ofibroma		
	C. Osteosarcoma	D. All A		A	
505)	Normally Ca : P ratio is 1:20, but in rickets/osteomalacia disturbed ratio is seen:				
	A. 1:50	B. 1:100			
	C. 1:1	D. Both			
506)	is characterized by failure of adequate deposition of Ca	(Chiefly	Ca. Phosphate) in the bones of growing animals and	В	
	children.				
	A. Fibrous osteodystrophy	B. Ricke			
	C. Osteomalacia		e of these		
507)				C	
	Belly.				
	A. Fibrous osteodystrophy	B. Oste	osarcoma		

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	C. Rickets/Osteomalacia	D. Both A&B			
508)	Classic cause of Rickets/osteomalacia is		С		
,	A. Calcium	B. Phosphorus			
	C. Vit. D	D. Vit. A			
509)	In Fibrous osteodystrophy, fibrous connective tissue under	goes cystic degeneration: probably due to insufficient blood	В		
	supply				
	A. Sufficient blood supply	B. Insufficient blood supply			
	C. Excessive blood supply	D. None of these			
510)	In osteopetrosis, bones are enlarged, deformed, heavy and	dense with calcium but surprisingly	A		
	A. Brittle	B. Soft			
	C. Hard	D. All Above			
511)	Exostoses of Ist and 2nd Phalanx is called as		С		
	A. Bone Spavin	B. Splints			
	C. Ring bone	D. Both A&B			
512)	Exostoses formed on distal portion of tarsus is called as		A		
	A. Bone Spavin	B. Splints			
	C. Ring bone	D. All Above			
513)	Exostoses at 2 nd and 4 th metacarpal is called as		A		
	A. Splints	B. Bone Spavin			
	C. Ring bone	D. None of these			
514)	Painful periarthritis is caused by		С		
,	A. Bone Spavin	B. Splints			
	C. Ring bone	D. None of these			
515)	It does not lead to lameness because of its location	printed of these	В		
010)	A. Bone Spavin	B. Splints	-		
	C. Ring bone	D. None of these			
516)	· · ·		С		
510)	A. Osteofibroma	B. Chondrosarcomas	Č		
	C. Osteosarcomas	D. Both A&B			
517)	Most commonly reported congenital and hereditary anomalies in dogs is				
317)	A. Polycystic kidneys	Ectopic ureter	В		
		_			
	C. Rrenal agenesis	D. None of these			
518)	Acute glomerulonephritis is caused by		A		
	A. Streptococci	B. Staphylococci			
	C. None of the above	D. All Above			
519)	The lesions in glomeruli is characteristic under light micros	scopy, however, not recognizable definitely in gross specimens.	В		
	A. Chronic glomerulonephritis	B. Acute glomerulonephritis			
	C. None of the above	D. All Above			
520)	The proliferative epithelial cells may accumulate along the	e parietal layer of Bowman's capsule to form "Enithelial	A		
0_0)	crescent".	puntoun injer of Bownman o caponic to form Brimeria			
	A. Chronic glomerulonephritis	B. Acute glomerulonephritis			
	C. Nephritis	D. All Above			
521)	<u> </u>		D		
521)			В		
	A. Chronic glomerulonephritis	B. Acute glomerulonephritis			
500)	C. None of the above	D. All Above	D		
522)			В		
	increased in density. At this it is difficult to reconstruct the				
	A. Acute glomerulonephritis	B. Chronic glomerulonephritis			
F00\	C. Nephrosis	D. Both A&C			
523)	Nephrotic syndrome is believed to result from increased pe		C		
	A. Carbohydrate	B. Fat			
	C. Protein	D. Lipids			
524)	Lesions in basement membrane and podocytes could accou		В		
	A. Acute/Chronic glomerulonephritis	B. Nephrotic syndrome			
	C. Nephrosis	D. None of these			

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25)	Pyelonephritis develops by ascending infection from		A	
	A. lower urinary tract	B. Upper urinary tract	7.1	
	C. None of the above	D. All Above		
	In pyelonephritis specific isolates are		В	
	A. Pseudomonas aeruginosa	B. Corynaebacterium renale		
(C. Staphylococci	D. All Above		
	Urine stasis in pyelonephritis can occur as a result of bloc	king of	В	
	A. Tuft Tuft Capillaries	B. Ureters		
(C. Glomeruli	D. None of these		
28)	Pulpy Kidney Disease is caused by		С	
	A. Clostridium perfringens type A	B. <i>Clostridium perfringens</i> type C		
	C. Clostridium perfringens type D	D. Clostridium perfringens type E		
		proliferative changes are less extensive and attract less attention	В	
	as compared to bladder, renal pelvis, urethra etc.	8		
	A. Tuft Tuft Capillaries	B. Ureters		
Ī	C. Glomeruli	D. All of above		
30)	Cystitis is the inflammation of		С	
′ –	A. Cyst	B. Ureters	C	
	C. Urinary bladder	D. Nephron		
		on into the bladder when trauma to the bladder has occurred or	В	
31)	when there is stagnation of urine.	on into the bradder when tradina to the bradder has occurred or	ь	
-	A. No	B. Yes		
	C. None of the above but Third option is there	D. Both above		
			D	
	Formation of stony precipitates anywhere in the urinary p		В	
	A. Cystitis	B. Urolithiasis		
	C. Solidification	D. None of above		
	The female usually escapes uroliths because of larger (wide		C	
	A. Kidneys	B. Vagina		
	C. Urethra	D. None of above	В	
34)	,			
Ļ	ruminants.			
	A. Kidneys	B. Sigmoid flexure		
	C. Urethra	D. All Above		
	The calculi of herbivorous animals contains a predominanc		Α	
_	A. Silicates	B. Oxalate		
(C. None on the above	D. All Above		
36)	Stone is very hard and heavy, white or light yellow, typic	ally covered with sharp, hard spines which usually damages the	В	
L	urinary epithelium and cause haemorrhages.			
,	A. Silicates	B. Oxalate		
(C. None on the above	D. All Above		
37)	In carnivorous and omnivorous animals, the chemical con	nposition of uroliths is like those calculi found in human,	A	
	possible due to			
	A. Acidic pH of the urine	B. Alkaline pH of the urine		
_	C. Neutral pH of the urine	D. None of these		
	Phosphate calculi are most like the calculi of herbivora, be		В	
	A. Hard and brittle	B. Often soft and friable		
	C. None on the above	D. All Above		
	Siliceous calculi are rare in	D. All Above	С	
		D. Omnivoro	C	
J.	A. Herbivora	B. Omnivora		
_		D. None of these		
(C. Carnivora	Stones are small, soft and of variable shape, have a shiny, greasy appearance with yellow colour and become darker on		
(Stones are small, soft and of variable shape, have a shiny,	greasy appearance with yellow colour and become darker on	В	
40)	Stones are small, soft and of variable shape, have a shiny, exposure to		В	
40)	Stones are small, soft and of variable shape, have a shiny, exposure to A. Acid	B. Air	В	
40)	Stones are small, soft and of variable shape, have a shiny, exposure to A. Acid C. Alkali		В	

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	A. No	B. Yes		
	C. None of the above	D. All Above		
542)				
	A. Serious complications	B. No complications		
	C. None of the above	D. All Above		
543)			В	
	A. Ademona	B. Fatal uraemia		
	C. Adenosarcoma	D. None of these		
544)	Metastasis of Adenosarcoma is frequent and usually in		C	
	A. Urinary Bladder	B. Kidneys		
	C. Lungs	D. Liver		
545)	If rupture of urethra occurs due to uroliths it leads to		A	
	A. Peritonitis	B. Cystitis		
	C. Nepritis	D. None of these		
546)	This is probably the most common developmental anomaly in		Α	
	A. Palatoschisis	B. Cleft palate		
	C. Melanosis	D. None of these		
547)	Rhinitis means inflammation of	b ky	A	
	A. hasal cavity	B. Urither		
7.40)	C. Gallbladder	D. Both B&C		
548)	Infectious bovine rhinotracheitis caused by	h l	A	
	A. Alphaherpesvirus	B. Adenovirus		
~ 40\	C. Stephlococus	D. None of these		
549)	Heparin causes		A	
	A. Clumping of leukocytes	B. Shrinkage of erythrocytes		
550)	C. Hemolysis of erythrocytes	D. None of these		
550)	Jugular vein is common site for blood collection		D	
	A. In cattle and buffalo	B. In sheep and goat		
551	C. In dog and cat	D. Both A &B	A	
551)	1) Relative Polycythemia is observed in			
	A. Dehydration	B. Myeloproliferative disorder		
550	C. Renal failure	D. None of these		
552)	Potassium oxalate causes	b g ₁ : 1	A	
	A. Inhibit amylase activity	B. Shrinkage of erythrocytes		
550)	C. Hemolysis of RBC	D. All	D	
333)	Characteristic change in blood picture in polycythemia vera	D. L	В	
	A. Increase in erythrocyte mass	B. Increase in RBCs, WBCs and thrombocytes		
<i>EE 1</i>)	C. Increase in only erythrocytes	D. Both A&C	Α	
334)	EDTA more than 2 mg/ ml of blood causes	D. I Learn alvais of anythmatic	A	
	A. Shrinkage of erythrocytes	B. Haemolysis of erythrocytes		
555)	C. Shrinkage of leukocytes	D. Destruction of platelets	С	
<i>333)</i>	Thrombocytopenia is observed in	P. In non-reconstrative enemia	C	
	A. In polycythemia vera C. Aplastic anemia	B. In non-regenerative anemia D. Aplastic anemia		
556)	C. Apiastic anemia Packed cell volume gives information about	p. Aprasuc anenna	С	
220)	A. Degree of anemia	B. Sugar level in blood	C	
557)	C. Degree of dehydration D. Degree of uremia			
JJ1)	- 1	D In mine and my	C	
	A. In buffalo and cow	B. In mice and rat		
	C. In dog and cat	D. In birds		
558)	Decrease bilirubin concentration is observed in		A	
	A. Bone marrow depression anemia	B. Liver diseases		
	C. Kidney damage	D. None of these		
559)			A	
/	A. 1.003-1.008	В. 1.001-1.00		
	A. 1.003-1.000	D. 1.001-1.00		

C. 1.009-1.019	D. 1.010-1.012	
560) Reaction of cerebrospinal fluid is		A
A. Alkaline in reaction	B. Acidic in reaction	
C. Normal in reaction	D. All of these	
561) In purulent exudates		A
A. Neutrophils predominate	B. Lymphocytes predominate	
C. Eosinophil's predominate	D. Erythrocytes predominate	
562) Anemia		D
A. It is reduction in No. of erythrocytes		
C. It is reduction in number of leukocyte		
563) Increased concentration of Glutamic de		A
A. Liver diseases	B. Heart diseases	
C. Cardiac muscle necrosis	D. Smooth muscle necrosis	-
564) Bromo sulfo phthalein (BSP) increases		D
A. Parenchymal hepatic disease	B. Biliary tract disease	
C. Nephritis	D. Both A & B	D
A. Urobilinogen	B. Bilirubin	D
C. Urochrome	D. Both A & C	
566) FOUCHET TEST" is used to examine		D
A. Blood	B. Urea	
C. Glucose	D. None of these	
	observed in dogs when blood glucose level is	В
A. > 160 mg/dl	B. > 180 mg/dl	
C. > 120 mg/dl	D. 180 mg/dl	
568) Isoenzyme of LDH that are specific for	brain and heart injury	C
A. LDH-I & IV	B. LDH-IV & V	
C. LDH-II & I	D. LDH-II& IV	
569) All are characteristics of a good bioma	rker except	D
A. High sensitivity but low specificity	B. Easily detectable	
C. Non-significant elevation	D. Both A & C	
570) For preservation of Urine Specimen, Fo		A
A. 1 drop per 30 ml	B. 1 drop per 20 ml	
C. 2 drop per 30 ml	D. 2 drop per 20 ml	
571) Specific gravity of urine is always inve	ersely proportional to urine volume except	D
A. Diabetes mellitus	B. Liver Damage	
C. Nephritis	D. Both A & C	
572) Presence of transitional epithelial cells		В
A. Problem in Vagina	B. Problem in urinary bladder	
C. Problem in Ureter	D. None of these	D
573) Ross test is done for evaluation of A. Bilirubin in urine	B. Blood in urine	D
C. Sugar in urine	D. None of these	
574) Which of the following is not a post re		В
A. Cystitis	B. Nephritis	
C. Urethritis	D. Vaginitis	
575) Anemia due to decreased production is s		A
A. Chronic renal failure	B. Chronic renal failure	
C. Snake venom	D. All of these	
576) The cells of the chronic inflammation or	iginate from the.	D
A. Lymph node.	B. Thymus.	
C. Spleen	D. Bone marrow	

577) An infiltration of cell	in early stages of acute inflammation	n is	A
A. Neutrophils	, ,	B. Lymphocytes	
C. Monocytes		D. All of these	
578) Repair after acute inflat	nmation is delayed except in		A
A. Advanced age.	•	B. Protein deficiency	
C. Iron deficiency		D. Diabetes mellitus	
579) Extreme generalized ed	ema with marked expansion of the ex	xtracelllular fluid space within the subcutaneous tissues, visceral	A
organs, and body caviti	es is called		
A. Anasarca.		B. Hyperthecosis.	
C. Angioedema.		D. All of these	
580) Cells of adaptive immu	ne system are.		A
A. B-cells		B. T- Cells	
C. Neutrophil		D. None of these	
581) Increased lipids in plast	na are observed in		D
A. In diabetes mellitus		B. Acute pancreatitis	
	ression and dehyderation	D. Both A & B	
	white blood cells is observed in		
A. In acute hemorrhage		B. Hemolysis.	
C. In viral infections		D. All of the Above	
583) Increase in neutrophils			В
A. Increase in the hype	r mature neutrophils in circulation.	B. Increase in the immature neutrophils in circulation.	
	egmented neutrophils in the	D. None of these	
circulation			
	below the reference limit is observed		D
A. Sever septicemia		B. In viral infections	
C. In heavy metal poise		D. Both A & B	
585) Increase in neutrophils			A
	mented neutrophils in circulation	B. Increase in immature neutrophils in circulation	
C. Decrease in hyper so	egmented neutrophils in circulation	D. None of these	
586) Increased bilirubin in se			C
A. Increased hemolysis	3	B. Hepatocellular damage	
C. Both A & B		D. Iron deficiency anemia	
	ic oxalic acetic transaminase indicate		D
A. Skeletal muscle		B. Liver damage.	
C. Hepatic damage		D. All of the above	
588) Anisocytosis is		b la · ·	C
A. Variation in size of 6	erythrocytes	B. Seen in anemia	
C. All of the above		D. None of the above	D.
589) Howell Jolly bodies are		D T. 1	D
A. Seen following acute		B. In degenerative anemia	
C. In regenerative aner		D. Both A & C	
590) Basophilic stippling boo		D. Ita Da Cardina and discontinuity	D
A. In poisoning due to C. In acute blood loss	neavy metais	B. In Defective erythropoiesis	
	1. 1	D. Both A & C	D
591) In lymphadenopathy t	he changes in white blood cells are		В
A. Acute myeloid leuk	emia	B. Chronic lymphocytic leukemia	
C. Monocytic leukemia	1	D. All of these	
592) The property of a tran	sudate is		С
A. Increase in hydrosta		B. Fluid that does not clot on standing	C
C. Both A & B	are pressure	B. Fluid that does not clot on standing D. None of these	
593) The precursors of macro	onhagas ara:	p. prone of these	С
A. Eosinophils	opiiages are.	B. Basophils	C
C. Monocytes		D. Neutrophilia	
	nronic inflammation are.	p. produopiina	В

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A. Eosinophil	B. Lymphocytes		
C. Polymorph nuclear leukocytes	D. None of these		
595) The hematoma is infiltrated by new capillaries, fibrobla	asts, and collagen is	В	
A. Embolization	B. Organization of hematoma		
C. Thrombosis	D. All of the above		
596) The movement of erythrocytes through the blood vesse	el wall is called.	В	
A. Phagocytosis.	B. Diapedesis		
C. Pavement	D. Pinocytosis		
597) Aplastic anemia occurs due to all except		В	
A. Chloramphenicol	B. Antimetabolites		
C. DDT	D. Organophosphates		
598) Which of following is Liver specific enzyme		A	
A. ALT	B. AST		
C. LDH	D. All		
599) In lymphadenopathy the changes in white blood cells i	is.	В	
A. Acute myeloid leukemia	B. Chronic lymphocytic leukemia		
C. Monocytic leukemia	D. All		
600) The property of a transudate is.	, ,	С	
A. Increase in hydrostatic pressure	B. Fluid that does not clot on standing		
C. Both a & b	D. None of these		
601) The precursors of macrophages are:	Diplone of these	С	
a. Eosinophils.			
p. Basophils.			
c. Monocytes.			
A. Eosinophils	B. Basophils		
C. Monocytes	D. All of these		
602) The common cells of chronic inflammation are.	p. An or these	В	
A. Eisonophil leukocytes	B. Lymphocytes	\dashv	
C. Polymorphonuclear leukocytes	D. All of these	_	
603) The hematoma is infiltrated by new capillaries, fibrobla		В	
A. Embolization	B. Organization of hematoma	— В	
C. Thrombosis	D. None of these	- D	
The movement of erythrocytes through the blood vesse		В	
A. Phagocytosis	B. Diapedesis		
C. Pavement	D. All of these		
The cells of the chronic inflammation originate from the		D	
A. Lymph node.	B. Thymus		
C. Spleen	D. Bone marrow		
An infiltration of cell in early stages of acute inflamma		A	
A. Neutrophils	B. Lymphocytes		
C. Monocytes	D. All of these		
Repair after acute inflammation is delayed except in.		A	
A. Advanced age	B. Protein deficiency		
C. Iron defeciency	D. Diabetes mellitus		
608) Extreme generalized edema with marked expansion of	of the extracelllular fluid space within the subcutaneous tissues,	A	
visceral organs, and body cavities is called.	,		
A. Anasarca	B. Hyperthecosis		
C. Angioedema	D. All of these		
609) Cells of adaptive immune system are	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A	
A. B-cells	B. T- Cells	<u> </u>	
C. Neutrophil	D. All of these	\dashv	
610) Increased lipids in plasma are observed in	p. pin or more	D	
A. In diabetes mellitus	R acute pancreatitis		
C. In bone marrow depression and dehyderation	B. acute pancreatitis D. Both A and B	-	
611) Decreased white blood cells are observed in	p. լորու v and n	С	
	D. In dehadastica	\dashv	
A. Only in viral diseases	B. In dehydration		

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	C. In viral diseases	D. None	
612)	Pathological increase in white blood cells is observed in		D
	A. In acute hemorrhage	B. Hemolysis	
(10)	C. In viral infections	D. All of these	
	Increase in neutrophils with shift to the left means.	b to the state of	В
	A. Increase in the hyper mature neutophils in circulation	B. Increase in the immature neutrophills in circulation	
	C. Decrease in hyper segmented neutrophils in the circulation	D. All	
614)	Decrease in neutrophils below the reference limit is observed	d in	D
	A. Sever septicemia	B. In viral infections	D
	C. In heavy metal poisoining	D. Both A and B	
	Increase in neutrophils with shift to right means.	D. Dotti A and D	A
	A. Increased hyper segmented neutrophils in circulation	B. Increase in immature neutrophils in circulation	А
	C. Decrease in hyper segmented neutrophils in circulation	D. None	
	Megaloblasts ared. Immature leukocytes	D. Profic	D
	A. Rubriblast	B. Precursor of platelets	D
	C. Immature erytherocytes	D. Both A and C	
17)	Increased bilibrubin in serum indicates	D. Dour I and C	D
,	A. Increased hemolysis	B. Hepatocellular damage	~
	C. Bone marrow depression	D. Both A and B	
518)	Increased serum glutamic oxalo acetic transaminase indicate		D
	A. Skeletal muscle	B. Liver damage	_
	C. Hepatic damage	D. ALL	
	Increased serum alkaline phosphatase.		В
	A. Osteomylitis.	B. Liver necrosis.	
	C. Increased hemolysis	D. All	
	Increased lactic dehydrogenase in serum is observed in		
	A. Hemolysis.	B. Nephritis	
	C. Necrosis of hepatocytes	D. All of these	
	Disseminated intra vascular coagulation is a complication of	f	D
	A. Amniotic fluid embolism	B. Shock	
	C. Myocardial infarction	D. Both A and B	
	Lab findings suggesting hemolytic anemia include		D
	A. Increased serum LDH	B. Low reticulocyte count	
	C. Bone marrow erythroid hyperplasia	D. Both A and C	
	Characteristic features of iron deficiency anemia include.		D
	A. Hypochromic macrocytic anemiaxx	B. Low serum ferritin	
	C. Raised ESR	D. Both A and B	
524)	Laboratory findings in iron deficiency anemia include		C
	A. Decreased MCV	B. Decrease in the levels of cell bond transferring receptors	
	C. Decrease in serum iron level	D. Both A and C	
525)	Aplastic anemia may occur due to		D
	A. Chloramphenicol	B. Antimetabolites	
	C. DDT	D. Both A and C	<u>l</u>
526)	Increased intravascular hemolysis leads to		D
	A. Hemoglobinemia.	B. Increased serum haptoglobin level	
	C. Jaundice D. Both A and C		
	Increased SGPT in observed in		D
	A. MI	B. Hepatic necrosis	
	C. Necrosis of skeletal muscles	D. Both B and C	
	Autoimmune hemolytic anemia		D
	A. Cold agglution type is the most common form	B. Moderate splenomegaly is characteristic of warm antibody	
		type	
	C. Warm antibody type may be secondary to drugs	D. Both B and C	
	reactions, autoimmune disorders & carcinomas		

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29) P	ancytopenia.		D	
	A. Is always associated with aplastic anemia.	B. Means reduction in all three cell lines in peripheral blood.		
(C. May be the first indication of an evolving aplastic anemia	D. Both B and C		
30) \	Myeloproliferative disorders leads to		D	
	A. Chronic myeloid leukemia.	B. Polycythemia Vera		
	C. Primary myelodysplastic syndrome	D. Both A and B		
31) 8	ickle cell anemia.	p. pour A and b	В	
	A. The affected babies show the manifestations of the	B. May cause aplastic crisis	Б	
	disease at birth			
	C. All	D. None		
	Ayeloproliferative disorders leads to		D	
	A. Chronic myeloid leukemia	B. Polycythemia Vera		
	C. Primary myelodysplastic syndrome	D. Both A and B		
	Regarding polycythemia vera.		D	
A	A. Belongs to group of myeloproliferative disorders	B. Hemoglobin is more than 14 gm but less than 18 gm in males		
(C. Is associated with risk of terminating in acute myeloid leukemia	D. Both A and C		
// A	Acute renal failure (ARF) occurs in the following diseases.		A	
		D shaonia tuhulan maanasia	A	
	A. Acute pyelonephritis	B. chronic tubular necrosis		
	C. Non streprococcal glomerulonephritis	D. All		
	n chronic glumerulonephritis.		D	
A	A. The kidneys are asymmetrically contracted	B. Progresses to uremia in decades		
(C. Is associated with atrophy of tubules and interstitial fibrosis	D. Both B and C		
6) F	Hematuria is the predominant feature in the following disease.			
	A. IgA nephropathy	B. glomerulonephritis	Α	
	C. Type I membranoproliferative glomerulonephritis	D. None		
	Increased urination is observed in.	p. p	С	
		b [II	C	
	A. Central diabetes insipidus	B. Hypercalcemia		
	C. Both	D. None		
8) P	redisposing factors for acute pyelonephritis		Α	
7	A. Immunosuppression	B. Heavy metals		
(C. Diabetes insipidus	D. all		
	n chronic renal failure.	ρ. μπ	В	
		D. Corum greatining is more than 2mg 0/	Ъ	
	A. Serum phosphate level is decreased	B. Serum creatinine is more than 2mg %.		
	C. Both	D. None		
	The predisposing factors of renal calculi.		D	
_	A. Altered urinary solutes and colloids	B. Prolonged immobilization		
(C. Hyperthyroidism	D. Both A and B		
11)	Increased concentration of Glutamic dehydrogenase.		Α	
A	A. Liver diseases	B. Heart diseases		
_	C. Cardiac muscle necrosis	D. all		
	Bromo sulfo phthalein (BSP) increases in	- 1	A	
	A. Parenchymal hepatic disease.	B. Nephritis	•	
	C. Cardiac muscle necrosis	D. All		
	ncreased cholesterol in blood is observed in.	D D'.1	A	
	A. Obstructive jaundice	B. Diabetes insipidus		
	C. Hypoadrenocorticism D. None			
644) Decrease concentration of albumin is observed in.				
A	A. Chronic diffuse liver disease like cirrhosis	B. Glumerulonephritis		
	C. Sever burn	D. All		
	Decrease A/G ratio is observed in		A	
	A. Chronic inflammation	B. In new born animals		
	1. Chrome inflammation	p. ph new both animals		

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II 1 A II	D. None	
C. All 646) Decrease prothrombin concentration in blood is observed		D
		D
A. Inability to synthesis prothrombin from Vit. A	B. Hepatic damage	
C. Bile duct obstruction	D. All	
647) Decreased Urea level is observed		Α
A. In renal damage	B. Chronic inflammation	
C. Hepatitis	D. All	
648) Increased level of Uric acid in blood is observed in.		
A. Hepatic cell necrosis	B. In renal tubular necrosis	
C. Increased intake of protein	D. Both A and B	
649) Red bone marrow is:	p. 20m 11 mm 2	В
A. Responsible for production of erythrocytes and	B. Responsible for production of erythrocytes, granulocytes	Ъ
granulocytes	and thrombocytes	
C. Responsible for the production of only erythrocytes	D. All	
650) Yellow bone marrow consists of		A
A. Reticular cells	B. Erythroid stem cells	
C. Myelois stem cells	D. All of these	
Verbal Reasoning (651 – 750)		
651) We do not mean to be disrespectful when we refuse to fo	ollow the advice of our leader	A
A. . Venerable	B. Dynamic	
C. Famous	D. Gracious	
		-
652) I fail to understand why there is such a atmosphere:		C
A. Funereal	B. Blatant	
C. Giddy	D. Sanguine	
653) When he recited the passage by, he revealed that he		D
A. Sounds – meaning	B. Sounds – pronunciation	
C. Effects – cause	D. l. Rote – sounds	
654) Could not wish for more occasion on which to anno	ounce my plans for enlarging our establishment.	В
A. Ominous	B. Propitious	
C. Magnificent	D. Pronounced	
	are that protagonist was the opposite of antagonist, that was	A
	are that protagonist was the opposite of antagonist, that was	А
the opposite of zenith.	D D 1	
A. Apex	B. Rood	
C. Solstice	D. Nadir	
656) We ask for from others, yet we are never merciful of		D
A. Clemency	B. Culpability	_
	B. Culpusinty	_
C. Sincerity	D. Selectivity	_
		A
657) Yawn: Boredom	D. Selectivity	
657) Yawn: Boredom A. Wince: Pain	D. Selectivity B. Sigh: Hope	
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea	D. Selectivity	A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor	D. Selectivity B. Sigh: Hope D. Smile: Hatred	
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone	A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist	D. Selectivity B. Sigh: Hope D. Smile: Hatred	A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these	A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these B. Fastidious: Grime	A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech C. Servile: Rebellion	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these	A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these B. Fastidious: Grime	A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech C. Servile: Rebellion 660) Entrepreneur: Labourer	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these B. Fastidious: Grime	A A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech C. Servile: Rebellion 660) Entrepreneur: Labourer A. Profits: Wages	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these B. Fastidious: Grime D. None of these B. Arbitrator: Capitalist	A A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech C. Servile: Rebellion 660) Entrepreneur: Labourer A. Profits: Wages C. Mediator: Conflict	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these B. Fastidious: Grime D. None of these	A A A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech C. Servile: Rebellion 660) Entrepreneur: Labourer A. Profits: Wages C. Mediator: Conflict	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these B. Fastidious: Grime D. None of these B. Arbitrator: Capitalist D. None of these	A A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech C. Servile: Rebellion 660) Entrepreneur: Labourer A. Profits: Wages C. Mediator: Conflict 661) Pomposity: Boastful A. Conceit: arrogant	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these B. Fastidious: Grime D. None of these B. Arbitrator: Capitalist D. None of these B. Forgetfulness: youthful	A A A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech C. Servile: Rebellion 660) Entrepreneur: Labourer A. Profits: Wages C. Mediator: Conflict 661) Pomposity: Boastful A. Conceit: arrogant C. Silence: nature	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these B. Fastidious: Grime D. None of these B. Arbitrator: Capitalist D. None of these	A A A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech C. Servile: Rebellion 660) Entrepreneur: Labourer A. Profits: Wages C. Mediator: Conflict 661) Pomposity: Boastful A. Conceit: arrogant C. Silence: nature 662) Revelation: Prophet	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these B. Fastidious: Grime D. None of these B. Arbitrator: Capitalist D. None of these B. Forgetfulness: youthful D. Courage: cowardly	A A A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech C. Servile: Rebellion 660) Entrepreneur: Labourer A. Profits: Wages C. Mediator: Conflict 661) Pomposity: Boastful A. Conceit: arrogant C. Silence: nature 662) Revelation: Prophet A. Bust: sculptor	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these B. Fastidious: Grime D. None of these B. Arbitrator: Capitalist D. None of these B. Forgetfulness: youthful D. Courage: cowardly B. Guitar: singer	A A A
657) Yawn: Boredom A. Wince: Pain C. Blink: Nausea 658) 98. Loyalty: Traitor A. Truthfulness: Liar C. Hope: Optimist 659) Graceful: Movement A. Articulate: Speech C. Servile: Rebellion 660) Entrepreneur: Labourer A. Profits: Wages C. Mediator: Conflict 661) Pomposity: Boastful A. Conceit: arrogant C. Silence: nature 662) Revelation: Prophet	D. Selectivity B. Sigh: Hope D. Smile: Hatred B. Longevity: Crone D. None of these B. Fastidious: Grime D. None of these B. Arbitrator: Capitalist D. None of these B. Forgetfulness: youthful D. Courage: cowardly	A A A

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A. Whale: mammal	B. Cart: horse	
C. Cloud: rain	D. Painting: artist	
664) Ungainly: elegance	p. i unung. urust	С
A. Suitable: propriety	B. Stately: majesty	\dashv \Box \vert
C. Perfunctory: attention	D. None of these	
665) Caravan: Procession.	p. prone of these	A
A. Wedding: ceremony	B. Merchant: commerce	
C. Menagerie: animal	D. None of these	
666) Acclamation:	p. prone of these	D
A. Appointment	B. Possession of something old	
C. Harmony of feeling	D. Enthusiastic approval	
667) Accentuate:	p. Entitusiastic approvai	В
A. Agree	B. Emphasize	
C. To speed up	D. Act strongly	
668) Alienate:	p. pet strongry	A
A. Estrange	B. Sicken	- A
C. To join with	D. Banish from country	_
669) Itinerary:	p. Banish from Country	В
A. Proposal	B. Travel plant	- B
C. Foreign regulation	D. None of these	_
670) Interpolate:	p. prone of these	Α
A. Insert	B. Reverse	A
	D. None of these	_
C. Explain	D. None of these	
671) Pomposity: Boastful	D E (C1 (1C1	A
A. Conceit: arrogant	B. Forgetfulness: youthful	
C. Silence: nature	D. Courage: cowardly	
672) Revelation: Prophet	b la	A
A. Bust: sculptor	B. Guitar: singer	
C. Canvas: painter	D. Awl: carpenter	
673) Elm: Tree	L 1	A
A. Whale: mammal	B. Cart: horse	
C. Cloud: rain	D. Painting: artist	
674) Ungainly: elegance		C
A. Suitable: propriety	B. Stately: majesty	
C. Perfunctory: attention	D. None of these	
675) Caravan: Procession		A
A. Wedding: ceremony	B. Merchant: commerce	
C. Menagerie: animal	D. None of these	
676) Acclamation		D
A. Appointment	B. Possession of something old	
C. Harmony of feeling	D. Enthusiastic approval	
677) Accentuate		B
A. Agree	B. Emphasize	
C. To speed up	D. Act strongly	
678) Alienate		A
A. Estrange	B. Sicken	
C. To join with	D. Banish from country	
679) Itinerary		В
A. Proposal	B. Travel plant	
C. Foreign regulation	D. None of these	
680) Interpolate		A
A. Insert	B. Reverse	
C. Explain	D. None of these	
	have now been identified though modern scientific techniques.	В
A. [nsightful]	B. Mysterious	
C. Cruel	D. Notable	
	1 - 1	

		·	
682)		r paleontologists, who now have tiny vibrating drills capable of	C
	working with great speed and delicacy.		
	A. Exploratory	B. Conclusive	
	C. Tedious	D. Respect	
683)		ining but also listening to it helps them to relax and to	В
	the tensions they feel at the end of a tiring day.		
	A. Soothing – heighten	B. Therapeutic – alleviate	
	C. Sweet – underscore	D. Exhausting – relieve	
684)	Famous educationist Farrukh Khan makes a career of expendi	ing the limits of tuition jobs by starting ICON, making hitherto	В
,	impossible takes through the new teaching methodo		
	A. Famous	B. Feasible	
	C. Fantastic	D. Captivating	
685)		pr jour many	В
003)	A. Cryptic	B. Congruous	D
	C. Ominous	D. Chronicle	
696)	Disperse	p. Chronicle	D
000)		b b .1.	D
	A. Covetous	B. Bugle	
COE'	C. Proliferation	D. Muster	
687)	Propagate		A
	A. Uproot	B. Approbation	
	C. Surf	D. saturate	
688)	Likely: Probability		D
	A. Sailor: mutineer	B. Bright: radiance	
	C. Funereal: eulogy	D. Defying: enemy	
689)	Sophist: truth		A
,	A. Quack: medicine	B. Director: plan	
	C. Alarmist: legend	D. Actor: shoot	
690)	Bulldozer: excavate	p. p. tetor. shoot	В
070)	A. Weaver: loom	B. Jack: lift	Ъ
	C. Knife: fork	D. Hammer: bend	
(01)		n politics the kinds of questions that other reporters do	Α.
091)	, , , , , , , , , , , , , , , , , , , ,	n pointes the kinds of questions that other reporters do	A
	not ask.	h la	
	A. Controversial	B. Circumnutating	
	C. Abnormal	D. Irrelevant	
692)	Ozone in the Earth's atmosphere living organisms from		Α
	A. Protects	B. Warms	
	C. Reflects	D. absorbs	
693)	Despite his illness, Inzamam was in winning his team.		D
	A. Disappointing	B. Useless	
	C. Vigorous	D. Instrumental	
694)	Salma's home looked as though it had been from a rag bi	in; her expensive burner was her sole of luxury.	В
,	A. Clean – expensive	B. Salvaged - sign	
	C. Computerized – cost	D. Modernized – symbol	
695)	It was difficult to imagine Jameela women, as a psychiat		С
0,5)	A. A cheering	B. A smile	
	C. A talkative	D. An aggressive	
606)			В
U90)	A rumor that the corporation was close to the caused pan		D
	A. New venture	B. Bankruptcy	
	C. Dividend declaration	D. Annual board meeting	
697)	A bus driver on Murree roads should have trouble ahead		D
	A. Expected – transformed	B. Seen – collapsed	
	C. Interrogated – grew	D. Anticipated – dwindled	
	The Co Cd 1 1' 1'	g it larger and cozier at once	В
698)	The softness of the early morning light the room, makin	g it larger and cozier at once.	D
698)	A. Scattered	B. Transformed	Ъ

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-	The Shahid's personality made it difficult for his classmate	es to	o accept him, Javed ingratiated himself with his sweetness	C
	and modesty.		L	
			Dashing	
	C. Tretendous		Pleasing	A
	He demanded obedience from his roommates and was alw			A
			Complete Partial	
	The of the Fokker crash near Multan airport could have			A
	A. Tragedy – precautions	R	Incident - preserves	71
		В. D.	Crew – measures	
	C. Fiasco – inspectors			
	Though many people thought him a tedious old man, he had a		_	В
		В.		
	C. Juvenile	D.	Meek	
703)	For his diligent work in chemistry, Professor Jahangir was lau	deo	d at the banquet as of the year.	C
	A. Teacher	В.	Astrologer	
	C. Scientist	D.	Administrator	
704)	Freeing embedded fossils from rock has become less for pa	leo	ntologists, who now have tiny vibrating drills capable of	С
	working with great speed and delicacy.			
	A. Exploratory	B.	Conclusive	
	C. Tedious	D.	Respected	
705)	An editorial praised the generosity of an anonymous who	hac	d donated over a million rupees and several priceless	В
,	books to the college.		1	
	A. Donor	B.	Benefactor	
	C. Promoter	D.	Rich	
706)	Muslim's alchemists tried to attain wealth by copper an	d o	ther base metals into gold.	D
			Coin aging	
	or menung		Transforming	
707)	The final edition of the Live and Cheating consists of six volubeen published.		·	С
			Volume	
	C. 1100000		Chapter	
708)	The author monotonously numerates the points of scientif the reader's interest.			В
			Trivial - boost	
			Essential – limit	
	The benefits of the cooperative program are with both com			D
			Exclusive	
710)			Mutual	
	As as she is original, Tahira has created songs for theaters A. Versatile		Old fashioned	Α
			solo	
	C. Sophisticated Because its chief accountant altered figures and completely fabi			В
/11)			, , , , , , , , , , , , , , , , , , , ,	Б
		В.	Spurious	
	C. Transparent	<u>υ.</u>	Taxable	D
	Some of the sculptures formerly the Hindu artist are now th	_	Attributed by	D
	A. Denied by C. Adapted by		Submitted by	
	C. Adapted by The whale shark is found in equatorial deep waters around the v			A
			Successfully	. 1
	C. Anxiously	_	Constantly	
	Until its defeat by Ireland, Pakistan team won most of its test m			В
	A. Defeated		Unbroken	_
	C. Difficult	D.	Aggressive	
	Maria forced herself to eat every piece on her plate, although sh	e f		С

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A. De	elicious	B.	Spicy	
l — — — — — — — — — — — — — — — — — — —	edible		Nourishing	
716) Unp	recedented turmoil in the usually thriving nation has mad	e th	e formally investors leery of any further	D
	olvement.		, ,	
A. Pe	essimistic	B.	Cautious	
C. Re	eticent	D.	Sanguine	
	ugh officials claimed that its hull was the Titanic san	ık af	fter hitting an iceberg.	В
	on made	B.	Impenetrable	
	rominent		Oval	
	nis historical arena, a single wall still stood in mute			D
	vidence	_	Tribute	
	lemory		Testimony	
	objections finally got us thrown out of the examination			D
A. Si			Modest	
	⁷ ary		Vocal	
	the wall of the sirens, you could still hear the hoarse			C
	arshness		Rhythm	
	ound		Whisper	
	myths of any society serve to explain their values; by exa			A
A. St			Rituals	
	egends	D.	Pastimes	
722) Rib ca				A
	kull: Brain		Appendix: Organ	
	ock: Foot		Hair: Scalp	
		nme	ntal interference in business since they can take care of	В
	selves if left alone.			
	nprovisation		Elimination	
	uthorization		Intensification	
			eriences are part of a natural process of development, not	C
	ngers of childhood unhappiness or signs of adolesc		·	
	ypical		Monotonous	
	rophetic		Virtual	
		s, ev	en notable ones, but typically the appearance of such facts	В
	result of a search in a definite direction.	_		
A. Ti			Unguided	
	onsistent		Uncomplicated	
726) It com	nes as no surprise that societies have codes of behavior; the	ne ch	naracter of the codes, on the other hand, can often be	В
		_	**	
	redictable		Unexpected	
	dmirable		Explicit	
		ente	ence structure mirrors thought: the more convoluted the	A
	ure, the more the ideas.	Ь	F1	
	omplicated		Engaged	
	consequential		Essential	
	papers report that the former executive has been trying to			C
	ortuitous	-	Long-awaited	
	decorous	υ.	Mysterious	
	tist: Laboratory	<u> </u>	D . C . D . H	A
	eacher: Classroom	-	Dentist: Drill	
	awyer: Client	υ.	Actor: Playwright	D
730) Brittle			F1 11 1	В
	ain: Umbrella	-	Flammable: burn	
	erpetual: stop	D.	Ice: cold	
	nasium: exercise			С
	seases: diagnosis	В.	Birthday: celebrate	
	core: shop		Army: discharge	

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2) Compass: navigation	T 1	С
A. Clock: dial	B. Physician: disease	
C. Camera: Photography	D. Pilot: flight	
3) Peel: apple		D
A. Skin: hair	B. Shoe: leather	
C. Hull: ship	D. Shell: lobster	
4) Finger: ring		A
A. Neck: neckless	B. Bandage: wound	
C. Bracelet: wrist	D. Glove: hand	
5) Adult: child		D
A. Tree: bush	B. Sheep: lamb	
C. Cow: calf	D. Buck: fawn	
6) Pepper: season	F 1 = 33331 3311 33	A
A. Sugar: sweeten	B. Celery: plant	
C. Accent: cook	D. Salt: taste	
7) Beef: jerky	p. part. usec	С
A. Corn: flake	B. Venison: deer	
C. Grape: raisin	D. Flesh: bone	
8) Author: novel	p. presn. oone	
	b [Awt: 11	D
A. Composer: piano	B. Artist: easel	
C. Painter: color	D. Sculptor: statue	
9) Spectator: sport		В
A. Jury: trial	B. Witness: crime	
C. Soloist: music	D. Fan: grandstand	
0) Walk: amble		В
A. Work: labor	B. Go: come	
C. Paly: rest	D. Run: fast	
1) Frown: groan		D
A. Stroll: amble	B. Clown: crone	
C. Strained: wit	D. Grin: guffaw	
2) Binoculars: see		С
A. Spectacle: notice	B. Skeptic: idea	
C. Ear trumpet: hear	D. Camera: aperture	
3) Horse: steed	p. Camera. aperture	D
A. Offspring: spawn	B. Compass: bore	
C. Dampness: mildew	D. Girl: damsel	
	p. Giri: damser	
4) Parrot: ape	b ky 1	A
A. Curve: arc	B. Wood: tree	
C. Crane: boar	D. Alarm: fire	
5) Evade: question		C
A. Shrink: malingerers	B. Elicit: response	
C. Parry: blow	D. Knowledge: thrust	
6) Riddle: sphinx		C
A. Luxury: limousine	B. Love: loathe	
C. Fire: Prometheus	D. Scylla: ore	
7) Discredited: reputation		C
A. Choleric: heat	B. Stronghold: facility	
C. Stilted: simplicity	D. Apprehensive: shyness	
8) Sheep: flock	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	В
A. Pigs: sty	B. Fish: school	
C. Horse: stall	D. Buffalo: pond	
9) Diffident: arrogance	P. Parraio. poliu	В
	B. Brazen: Modesty	
A Confident, ambiguous	D. IDTAZETI: IVIOGESTV	
A. Confident: ambiguous		
A. Confident: ambiguous C. Benevolent: humanity 0) Disperse: assemble	D. Momentum: inertia	A

	C. Book: title	D. Table: legs	
Quant	itative Reasoning (751 – 850)		
751)	What is the probability that a two digit number selected at ran	ndom will be a multiple of 3 and not a multiple of 5?	В
	A. 2/15	B. 4/15	
	C. 1/15	D. 4/90	
	How many odd numbers of three digits each can be formed f		D
132)			D
	A. 6	B. 27	
	C. 24	D. 16	
	Suzuki comes in 5 models, 8 colors and 3 sizes. How many Su	zuki must the local dealer have on hand in order to have one	В
	of each kind available?		
	A. 24	B. 120	
	C. 16	D. 39	
754)	Saima bought two black pencils and three red pencils for Rs. 2	3. After a week, she bought three black pencils and two red	A
	pencils for Rs. 16. If price of pencils remained the same for bo		
	A. 2	B 3	
	C. 4	D. 5	
		P. F	Α
133)	Twice the age of son is 4 years more than the age of his father.		A
	A. 22	B. 20	
	C. 18	D. 16	
	A rectangular lot 50 feet by 100 feet is surrounded by a concre	te wall 5 feet wide. Find the number of square feet in the	Α
	surface of the wall.		
	A. 1600	B. 5250	
	C. 5500	D. 6100	
	Of the following, which value of x produces the greatest value		D
131)	. []	b 1	D
	A. F2 C. 2	D. 3	
7.50)			
	Two spinning machines A and B can together produce 300,000		В
	he same amount of cloth in 15 hours, how much cloth can made		
	A. 200,000 meters	B. 100,000 meters	
	C. 150,000 meters	D. 50,000 meters	
759)	The average of x, y, z and 40 is 10. What is the average of x, y	and z?	В
	A. 10	B. 0	
	C. 2	D. 15	
760)		ge of 9 and the rest are at the age of 8. Find the average of the	В
	entire class.	go of y and the rest are at the age of o. I me the average of the	D
	A. 7.85	B. 8.75	
	C. 12.2	D. 14.35	
761)	Mr. Kashif got an average of 50 in 6 tests. What should he get		Α
	A. 120	B. 60	
	C. 100	D. 70	
762)	A and B can do a job in 6 days. If A do the job alone, he take	s 10 days. What will be the time required by B to complete	C
	he job alone?		
	A. 8	В. 6	
	C. 15	D. 3	
763)	Γhe population of 8 villages is 900, 750, 1100, 1050, 835, 1250	F · F	С
	average population of nine villages is 900.	o, 333 and 030. I find the population of finith viriage if the	C
	T	D 1065	
	A. 1200	B. 1065	
	C. 1030	D. 1800	
	How many miles are there between two cities if the distance is	represented by a 2.4 inch line on a map having a scale of 1	Α
	nch to 8 miles		
	A. 19.2	B. 12.8	
	C. 8.5	D. 38	
765)	What is the probability of getting all six in a single throw of th		D
. 55)	A. 1/6	B. 125/216	~
	C. 1/216	D. 1/36	
7(()		bers. What is the chance that it is a multiple of either 3 or 13?	n
766)	A number is selected at random from first thirty natural num	iders, what is the chance that it is a multiple of either 3 or 13?	В

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	A. 17/30 B. 1. 2/5	
	C. 11/30 D. 4/15	
767)	How many different 4 person teams can be made from a group of 9 players?	C
	A. 3024 B. 1512	
	C. 126 D. 254	
768)	How many odd numbers of three digits each can be performed from the digits 2, 4, 6 and 7 if repetition of digits is	D
	permitted?	
	A. 6 B. 27	
	C. 24 D. 16	
769)	In all Pakistan weightlifting competition in Multan, double of first lift of Mr. Sahiwal was 150kg more than his second lift	C
	and the sum of two lifts was 375kg. What was the weight of his first lift?	
	A. 300 B. 350	
	C. 175 D. 100	
770)	A rectangle is 16cm long and 10cm wide. If the length is reduced by K cm and its width is increased also by K cm to make it a square, then its area changes by?	D
	A. 69 B. 56	
	C. 18 D. 9	
771)		<u> </u>
//1)	If the average of 5 and K is equal to the average of 2, 6 and K. what is the value of K?	С
	A. 2 B. 8 C. 1	
772	E. 1	ъ
	How much the speed of a train be increased if the driver wishes to reduce the time to reach to a certain station in 20% less	В
	time?	
	A. 10% B. 25%	
	C. 5% D. 50%	
773)	What is the probability of not coming a number greater than 2 when a die is thrown?	C
	A. 0.1 B. 0.2	
	C. 0.3 D. 0.4	
774)	If 4 men and 7 boys can do a work in 29 days, then 12 men and 8 boys will do the same work in;	D
	A. 29 days B. 17 days	
	C. 21 days D. 7 days	
775)	A man spent 10% of his money. After spending 60% of the remainder, he has Rs. 72 left. How much had he in the start?	D
	A. 300 B. 50	
	C. 400 D. 200	
776)	What is the largest of 13 consecutive integers whose sum is 0?	С
,	A. -13 B. -6	
	C. 6 D. 9	
777)	A boy scored 90 marks for his math test. This was 205 more than what he had scored for the geography test. How much did	В
,	he score in geography?	2
	A. 100 B. 75	
	C. 50 D. 72	
778)	What is the next number in the geometric progression 4, 12, 36?	D
110)	A. 200 B. 172	D
	C. 480 D. 108	
	The average of five numbers is 26. After one of the numbers is removed, the average of the remaining number is 25. What	D
119)	number has been removed?	D
700		
780)	What is the reminder when 6 ³ is divided by 8?	A
	A. 0 B. 1	
	C. 2 D. 3	
781)	Of the following, the one that is not a meaning of 2/3 is	В
	A. 3 of the 9 equal parts of 2 B. 2 of the 3 equal parts of 3	
	C. 2 divided by 3 D. A ratio of 2 to 3	
702\	If the average weight of boys who are Shan's age and height is 120lbs, and if Shan weighs is 110% of the average, then Shan	В
104)		
	weighs A. 140lbs B. 132lbs	

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b lagu.					
C. 114.5lbs D. 120lbs 783) During a half-price sale. Mr. Kamran bought a notebook for the usual price and a second notebook for one-half the usual D					
783) During a half-price sale, Mr. Kamran bought a notebook for the usual price and a second notebook for one-half the usual					
price. If he paid 15.60 for the 2 notebooks, what was the usual price of a notebook?	_				
A. 7.50 B. 20.80	_				
C. 8.60 D. 10.40					
784) If $x - 2$ is less than y then;	C				
A. x and y are positive B. y is less than x + 2	_				
C. y + 2 is greater than x					
785) If it is now June, what month will be 100 months from now?	В				
A. January B. April					
C. October D. December	7				
786) A number is selected at random from first thirty natural numbers. What is the chance that it is a multiple of either 3 or 13?	В				
A. 17/30 B. 2/5	7				
C. 11/30 D. 4/15	7				
787) What is the probability of getting all six in a single throw of three unbiased dice?	D				
A. 1/6 B. 125/216	-				
C. 1/36 D. 1/216	-				
	В				
788) What is the probability that a two-digit number selected at random will be a multiple of 3 not a multiple of 5?	- P				
A. 2/15 B. 4/15	⊣				
C. 1/15 D. 4/90	+ -				
789) When two dice are thrown simultaneously, what is the probability that the sum of the two numbers that turn up is less than	В				
11?	_				
A. 5/6 B. 11/12					
C. 1/6 D. 1/12					
790) When 4 dice are thrown, what is the probability that the same number appears on each of them?	C				
A. 1/36 B. 1/18	7				
C. 1/216 D. 1/5	7				
791) How many different 4 person teams can be made from a group of 9 players?	D				
A. 3024 B. 1512	7				
C. 254 D. 126	╡				
792) How many odd numbers of three digits each can be formed from the digits 2, 4, 6 and 7 if repetition of digits is permitted?	D				
A. 6 B. 27					
C. 24 D. 16	-				
	+ ,				
793) If $2x + 5y = 18$ and $x = 4$ then what is the value of y?	A				
A. 2 B. 3	⊣ !				
C. 4 D. 5					
794) The value of $x^2 + 5x + 6$ at $x = 2$ is?	В				
A. 2 B. 20	_				
C. 40 D. 10					
795) One positive number is 2/3 of the other and their product is 24. What is the sum of the two?	D				
A. 6 B. 18					
C. 36 D. 10	7				
796) If $x + 2y = 11$ and $2x + 3y = 17$ then y is?	В				
A. 6 B. 5	7				
C. 4 D. 3	╡				
797) A rectangular lot 50 feet by 100 feet is surrounded by a concrete walk 5 feet wide. Find the number of square feet in the	A				
surface of the walk?	A				
	-				
	-				
	+ -				
798) One-sixth of a day is what part of the time between 3 pm Monday and 3 pm Thursday of the same week?	C				
A. 1/10 B. 1/18	_				
C. 1/15 D. 1/12					
799) If you have 50 green, 50 orange and 50 yellow jellybeans, how many bags can fill for Halloween each containing 2 green, 3	Α				
prange and 4 yellow jellybeans?					
A. 12 B. 13					
C. 16 D. 17	l l				
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800)	Which of the following is the sum of two consecutive prime numbers?		В
	A. 66 B. 52		
	C. 41 D. 29		
801)	If Myra had bowling scores of b +6, b -2, b +4 and b -5, what must she score in the nex	t game to get an overall average of b	A
,	+2?		
	A. b + 7 B. b - 3		
	C. b+3 D. b-7		
802)	A clock gain 8 minutes every x hour. How many hours will the clock gain in 3 days?		В
	A. 576/x B. 48/5x		
	C. 24/x D. 576/5x		
803)	How many integers between 28 and 98 are exactly divisible by 7?		A
005)	A. 9 B. 11		
	C. 12 D. 8		
804)	f(p-3)(p+5) > (p-3)(p+8), what is the best description of p?		D
	A. $p = 3$ B. -8		
	C. p = { } D. p < 3		
805)	If (36) (?)(7) = 21, then ? equals		С
/	A. 21/43 B. 1/42		-
	C. 1/12 D. 1/11		
	If a machine can place a cap on a bottle of soda every 0.8 seconds, how many bottles c	an be capped in 2 hours?	В
000)	A. 8000 B. 9000	an be capped in 2 hours.	Ь
	C. 300 D. 900		
) If 7 apples cost y cents, how many apples will x dollars buy?		D
807)	A. x/7y B. 7x/y		D
	C. 7x/100y D. 700x/y		
	Subhan is twice as old as Bukhari, who is 3 years older than Shakir, if Shakir is 4a yea	es ald Cubban's again	D
000)		is old, Sublian's age is,	D
	A. 8a B. 22a C. 14a D. 8a + 6		
		1	В
	The average height of five men is 68 inches. If one man is 70 inches tall and three others in the of the fifth men is inches in	rs have an average of 67 inches, the	В
	height of the fifth man in inches is;		
	A. 58 B. 59		
010)	C. 70 b. 71		
810)	If p is a negative integer and $p^2 + 11p = t$, the value of t could be		C
	A. 12 B. 18		
	C18 D. 11		
	A businessman started a business with a capital of Rs. 80,000/- His first-year accumula	ted profit was 10% and second-year	A
	profit was 20%. What was the total amount of after second year?		
	A. 105600 B. 201200		
	C. 50000 D. 100050		
812)	In the rectangular solid, $AD = 6$, $DC = 8$ and $BC = 1/2CD$. What is the volume of the so	id?	C
	A. 18 B. 208		
	C. 192 D. 302		
813)	$\int f(x)/9 = 2/3, \text{ then } x = ?$		В
	A. 8/3 B. 6		
	C. 3 b. 27/2		
814)) Multan traffic authority requires that an applicant for a driver's license answer at least 8		D
	correctly. If the test has 60 questions on it, at least how many of these questions must be	answered correctly?	
	A. 20 B. 44		
	C. 46 D. 48		
815)) If $x/y = -1$ then $x + y = ?$		A
	A. 0 B. 1		
	C. y D. 2x		
816)	If it takes 4 days for 3 machines to do a certain job, how many days are required to cor	aplete the job by two machines?	A
	A. 6 days B. 5 and half days	<u> </u>	
	C. 5 days D. 4 and half days		
	11		

1. C. I. Samuel De 75 man Alam Dilai Which of the following I	D			
817) Yesterday, Sagher earned Rs. 100 less than Bilal and today Sagher earned Rs. 75 more than Bilal. Which of the following				
ays compared to Bilal?				
B. Sagher earned \$17.50 more than Bilal				
	A			
R 117				
·				
	A			
D. $s > r > t$				
he first 20 sold were in color, 40% of the next 30 sold were in color	В			
	D			
the positive difference between 1/2 and 1/3. Which of the following	В			
1 I				
eeded to hold 3 quarter of vegetable oil? (1 quarter = 32 fluid ounces)	В			
p. µ0	A			
b 14	A			
P. C				
	Α			
ates qualified the test?				
D. 11.377				
D. 5000	D			
	D			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what %	D			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35%	D			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what %				
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40%	D C			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35%				
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz²				
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y	С			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5?				
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2	С			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3	C			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 It is 3. What is the average of a and b?	С			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 It is 3. What is the average of a and b? B. 18	C			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 It is 3. What is the average of a and b?	C			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 It is 3. What is the average of a and b? B. 18	C			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 It is 3. What is the average of a and b? B. 18 D. 12	C A			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 It is 3. What is the average of a and b? B. 18 D. 12 B. 4x	C A			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 t is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x	C A C D			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 It is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18?	C A			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 It is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18? B. 3	C A C D			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 It is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18?	C A C D			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 It is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18? B. 3	C A C D			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 It is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18? B. 3 D. 5	C A C D			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 t is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18? B. 3 D. 5	C A C D			
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D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 t is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18? B. 3 D. 5 B. 10 D. 50	C A C D			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 t is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18? B. 3 D. 5 B. 10 D. 50 B. 5/11	C A C D C			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 t is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18? B. 3 D. 5 B. 10 D. 50	C A C D C			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 t is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18? B. 3 D. 5 B. 10 D. 50 B. 5/11	C A C D C			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 t is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18? B. 3 D. 5 B. 10 D. 50 B. 5/11 D. 9/17	C A C C			
D. 5000 y. If 60% of the girls and 25% of the boys went on the party, what % B. 35% D. 40% B. yz² D. x/y Itiplying by 0.5? B. Multiplying by 2 D. Dividing by 3 t is 3. What is the average of a and b? B. 18 D. 12 B. 4x D. 5x m is 18? B. 3 D. 5 B. 10 D. 50 B. 5/11	C A C C			
a d d d e e e e e e e e e e e e e e e e	ays compared to Bilal? B. Sagher earned \$17.50 more than Bilal D. Sagher earned \$25 less than Bilal B. 17 D. 44 At st = 33, which of the following must be true? B. s > t > r D. s > r > t The first 20 sold were in color, 40% of the next 30 sold were in color at 60 notebooks were in color? B. 405 D. 20% The positive difference between 1/2 and 1/3. Which of the following the positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/24 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/24 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 B. 1/2 D. 1/6 The positive difference between 1/2 and 1/3. Which of the following at 1/4 B. 1/2 D. 1/6 B. 1/2			

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834) The average of four consecutive even integers is T. the second	of these integers can be represented in terms of T as:	A
A. T – 1	B. T + 1	
C. T + 2	D. 4T – 8	
835) The total number of eighths in 3 ¾ is;		С
A. 15	B. 54	
C. 30	D. 24	
836) In the figure, the area of circle O = 9pi, what is the area of AE	BCD?	D
A. 24	B. 30	
C. 35	D. 36	
837) If 12 pounds of fudge are placed in boxes that each hold 8 ounc		D
A. 1 ½	B. 96	
C. 6	D. 24	
838) If 8 is 4% of k, then k is 4% of;		A
A. 5000	B. 4000	
C. 800	D. 80	
839) If in the class of 33, 3 are honor students, what part of the class		C
A. 89/100	B. 9/10	
C. 10/11	D. 9/10	
840) If $3y = 7$, the value of $6y - 3$ is ?	b. 112	C
A. 39 C. 11	B. 13 D. 10	
841) If a is 20% of b and b is 75% of c, then a is what % of c?	р. µ0	Α.
A. 15	B. 55	A
C. 95	D. 40	
842) Ayesha and Bisma together have \$20. Bisma and Adnan toget		В
the smallest number of dollars that any girl has alone?	ner have \$10. Ayesha and Adhan together have \$24. What is	Ь
	B. 6	
C. 10	D. 24	
843) The average of the first 35 positive integers is;	P. P.	С
	B. 17*34/35	
C. 18	D. 18*1/5	
844) In triangle PQR, QS and SR are angle bisectors and angle $P = 8$	80*, how many degrees are there in angle QSR?	D
A. 115	B. 120	
C. 125	D. 130	
845) If $2^{\mathbf{m}} = 4x$ and $2^{\mathbf{w}} = 8x$, what is m in terms of w?		A
A. w – 1	B. w + 1	
C. 2w – 1	D. 2w + 1	
846) How many miles are there between two cities if the distance is	s represented by a 2.4-inch line on a map having a scale of 1	A
inch to 8 miles?		
A. 19.2	B. 12.8	
C. 8.5	D. 38	
847) How many cents will r books cost if t books cost m dollars?	h (100)	A
A. 100mr/t	B. mr/100t	
C. 100t/mr	D. m/100t	D
848) If 10 tractors are needed to plow a field in 4 hours, how many to A. 32	B. 4	D
C. 16	D. 8	
849) If apples cost 3 for 37 cents, find the cost of 1 ³ / ₄ dozen apples.	P. b	С
A. 111 cents	B. 159 cents	C
C. 259 cents	D. 211 cents	
850) If it takes 10 minutes to walk 3/7 miles, how many minutes wil		В
A. 2*1/3	B. 13*1/3	J
C. 4*2/7	D. 30	
Analytical Reasoning (850 – 1000)	1 · F ·	
1		

Nine students—O, P, Q, R, S, T, U, V, and W—are the only student who can serve on three commissions designated A, B, and C, and each student must serve on exactly one of the commissions. Commission A must have exactly one more member than does commission B. It is

iscip	

	that there are no members of commission C. Neither O nor	Pnc	or Q can serve on commission A. Neither R nor S nor 1 can	n serve on
	ission B. Neither U nor V nor W can serve on commission C.			
851)	If U and O are the only students serving on commission B, he		-	В
	A. 3	В.		
	C. 5		6	
852)	<u> </u>			D
	A. 9	B.	8	
	C. 7	D.	6	
853)	If W is the only student serving on commission B, which of the			D
	A. R and V	В.	S and T	
	C. S and U		U and V	
854)	f none of the nine student serves on commission C, which of t			C
	A. O	В.	P	
	C. R	D.	U	
855)	If U, V, and Q are the only students serving on commission B,	, the	complete membership of commission C must be	A
	A. O and P	B.	O and R	
	C. P and S	D.	P and T	
856)	Which of the following groups could constitute the membershi	ip of	commission C?	В
	A. P and U	B.	Q and T	
	C. P, Q, and R	D.	R, S, and T	
Resea	rchers are testing numerous petrol samples for the presence of			ore of the
	cals, U, V, and W but no other chemicals. The practical availab			
	mple contains U but not V, practical R gives a positive result. P			
	n, or if the sample has already been subjected to practical R, practical R			
	sample contains W and has already been subjected to practical			
otherv				
857)	If a sample is subjected to practical S and the result is negative	e, the	en of the three chemicals, the sample must contain	В
ĺ	A. U only		W only	
	C. U and V only		U and W only	
858)	Which of the following practical, if performed as specified, wi			A
/	anything about the chemical content of a sample?	0		
	A. R performed first	В.	S performed first	
	C. H performed first		R performed after S	
859)	If a sample is subjected to the three practical in the order R, S,			С
00)	following could be the sample's chemical content?	,	11, and it only practical a to positive, which of the	Ü
	A. U only	B.	V only	
	C. W only		U and W only	
860)	If researchers know that, of two samples, one contains U only			С
000)	sample contains which chemical, they do so with the least amo			C
	A. Either sample to practical R		Either sample to practical S	
	C. Either sample to practical H		Both samples to practical R	
A doc	tor has prescribed a meal program for a patient. Choosing from			e of
	y five different meals each day. In any day routine, except the f			
	e done on the previous day, and any permissible routine must a			
	routine. If G is in a routine, J must be one of the meals done at			
	fter H in that routine. The fifth meal of any routine must be eit.			
	Which of the following could be the routine for the first day of			С
001)	A. F, H, L, I, K		G, I, H, L, K	Ü
	C. J, K.'H, L, I		K, G, I, J, M	
862)	If one day's routine is F, G, M, J, K, each of the following coul			D
002)	A. G, H, L, J, K		G, J, L, M, I	ע
	C. M, H, L, J. K		M, J, I, F. K	
8621	Which of the following is true of any permissible routine?	ρ.	µч1, J, 1, 1 . 1X	D
003)	A. F cannot be done third	ь	G cannot be done third	ע
		-		
064	C. J cannot be done third		H cannot be done fourth	D
004)	If the patient chooses H and M for the first day's routine, which			D
	A. F, J, K	Ď.	G, I. L	

iscip	

C. G, J, L	D. J, I, L	
865) If H is the third meal in a routine, which of the following CAN	NOT be the second meal in that routine?	A
A. G	В. І	
C. J	D. M	
Four girls—L, M, N, and O—and four boys—V, W, X, and Y—are	the eight adults to be seated at a rectangular bench. Three of the	adults are
to sit on one side of the bench, three are to sit on the other side of the	ne bench, one is to sit at the head of the bench, and one is to sit a	at the foot
of the bench. The following restrictions on seating arrangements mu	ast be observed:	
Adults of the same sex cannot sit next to each other on the same sid		
The adult seated at the foot of the bench cannot be the same sex as t		
X cannot be seated on the same side of the bench as N.		
Y cannot be seated on the same side of the bench as O.		
866) If Y is seated at the head of the bench and N is seated in the	middle seat on one side of the bench, which of the following	A
must be true?	minutes sent on one state of the senting whiten of the following	• •
A. O is seated at the foot of the bench.	B. V is seated at the foot of the bench.	
C. L is seated on the same side of the bench as N	D. W is seated on the opposite side of the bench from N.	
867) If O is to be seated at the head of the bench, each of the follow		С
A. M	B. V	
C. W	D. X	
868) If W is seated at the foot of the bench, Y is seated in an end sea	at on one side of the bench, and N is seated in an end seat on	В
the other side of the bench, where must X be seated?		
A. At the head of the bench	B. In the middle seat on the same side of the bench as Y	
C. In an end seat on the same side of the bench as Y	D. In the middle seat on the same side of the bench as N	
869) If X is seated at the head of the bench, V is seated in the middle		В
seat on the other side of the bench, which of the following can	be true?	
A. L is seated at the foot of the bench	B. M is seated on the same side of the bench as N.	
C. O is seated on the same side of the bench as N.	D. W is seated on the same side of the bench as V.	
	lle seat on one side of the bench, and N is seated in the middle	D
seat on the other side of the banch, which of the following m	ust be seated at the head of the bench?	
seat on the other side of the bench, which of the following m		
A. L	В. М	
A. L C. O	B. M D. W	6.1
A. L C. O Six duty workers—Ali, Bilal, Ghulam, Jamal, Muneer, and Tanve	B. M D. W er—are planning to perform a duty program consisting entirely	
A. L C. O Six duty workers—Ali, Bilal, Ghulam, Jamal, Muneer, and Tanve shifts. Each shift requires two fire men, one gas expert, and a driver	B. M D. W er—are planning to perform a duty program consisting entirely. Each worker must perform duty of in at least one shift, and each	ch worker
A. L C. O Six duty workers—Ali, Bilal, Ghulam, Jamal, Muneer, and Tanve shifts. Each shift requires two fire men, one gas expert, and a driver can perform duty of, at most, one role in a shift. No worker can per	B. M D. W er—are planning to perform a duty program consisting entirely. Each worker must perform duty of in at least one shift, and each	ch worker
A. L C. O Six duty workers—Ali, Bilal, Ghulam, Jamal, Muneer, and Tanve shifts. Each shift requires two fire men, one gas expert, and a driver	B. M D. W er—are planning to perform a duty program consisting entirely. Each worker must perform duty of in at least one shift, and each	ch worker
A. L C. O Six duty workers—Ali, Bilal, Ghulam, Jamal, Muneer, and Tanve shifts. Each shift requires two fire men, one gas expert, and a driver can perform duty of, at most, one role in a shift. No worker can per	B. M D. W er—are planning to perform a duty program consisting entirely. Each worker must perform duty of in at least one shift, and each form duty of the same type of role (fire man, gas expert, or driven).	ch worker
A. L C. O Six duty workers—Ali, Bilal, Ghulam, Jamal, Muneer, and Tanve shifts. Each shift requires two fire men, one gas expert, and a driver can perform duty of, at most, one role in a shift. No worker can per successive shifts.	B. M D. W er—are planning to perform a duty program consisting entirely. Each worker must perform duty of in at least one shift, and each form duty of the same type of role (fire man, gas expert, or driven).	ch worker
A. L C. O Six duty workers—Ali, Bilal, Ghulam, Jamal, Muneer, and Tanve shifts. Each shift requires two fire men, one gas expert, and a driver can perform duty of, at most, one role in a shift. No worker can per successive shifts. Ali can perform duty of fire man only and must perform duty of in the second s	B. M D. W er—are planning to perform a duty program consisting entirely. Each worker must perform duty of in at least one shift, and each form duty of the same type of role (fire man, gas expert, or driven).	ch worker
A. L C. O Six duty workers—Ali, Bilal, Ghulam, Jamal, Muneer, and Tanve shifts. Each shift requires two fire men, one gas expert, and a driver can perform duty of, at most, one role in a shift. No worker can per successive shifts. Ali can perform duty of fire man only and must perform duty of in the Bilal can perform duty of fire man or driver.	B. M D. W er—are planning to perform a duty program consisting entirely. Each worker must perform duty of in at least one shift, and each form duty of the same type of role (fire man, gas expert, or driven).	ch worker
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Page **51** of **61**

Discipline: _____

875) Unavailability of which of the following duty workers would s	still permit scheduling the five remaining players so that the	D
proposed program could be performed?		
A. Bilal	B. Ghulam	
C. Jamal	D. Tanveer	
A map representing cities F, G, H, I, J, and K. is to be drawn. Neigh	aboring cities cannot be the same color on the map.	
The only cities neighboring to each other are as follows:		
F, G, I and J are each neighboring to H.		
I is neighboring to J.		
F and G are each neighboring to K.		
876) Which of the following is a pair of cities that must be different	t in color from each other?.	С
A. F and I	B. G and I	
C. G and K	D. I and K	
877) If I is the same color as K, then it must be true that		D
A F is the same color as J	B. G is the same color as I	
C. I is the same color as J	D. H is a different color from any other city	
878) Which of the following is a pair of cities that can be the same		A
A F and G	B. G and H	
C. H and I	D. H and J	
879) Which of the following cities can be the same color as H?		D
A. F	B. G	
C. I	D. K	
880) If the fewest possible colors are Used and one of the cities is the		D
A. H, but not any of the other cities	B. K, but not any of the other cities	
C. F or G, but not any of the other cities	D. H or I or J, but not any of the other cities	
An engineer is planning to build a housing complex on an empty bl		
and L—will be built in the complex. The complex will contain seve		
designs on each block. The engineer will build the complex according design J on it. Any block adjacent to one that has on it both design H		
one that has on it both design R and design L can have on it either de	esign I or design J No block can have on it both design H and de	sign F.
one that has on it both design R and design L can have on it either de 881) Which of the following can be the complete selection of hou	esign I or design J No block can have on it both design H and de se designs on a block?	
one that has on it both design R and design L can have on it either de 881) Which of the following can be the complete selection of hou A. F, G, H	esign I or design J No block can have on it both design H and dese designs on a block? B. F, H, K	sign F.
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one that has on it both design R and design L can have on it either de 881) Which of the following can be the complete selection of hou A. F. G. H C. G. T. L 882) Which of the following house designs must be on a block that A. F	esign I or design J No block can have on it both design H and dese designs on a block? B. F, H, K D. H. J, L	sign F. D
one that has on it both design R and design L can have on it either de 881) Which of the following can be the complete selection of hou. A. F, G, H C. G, T, L 882) Which of the following house designs must be on a block that A. F C. H	esign I or design J No block can have on it both design H and designs on a block? B. F, H, K D. H. J, L is adjacent to one that has on it only designs H, I, J, K, and L? B. R D. J	sign F. D D
one that has on it both design R and design L can have on it either de 881) Which of the following can be the complete selection of hou. A. F, G, H C. G, T, L 882) Which of the following house designs must be on a block that A. F C. H 883) Which of the following can be the complete selection of house	esign I or design J No block can have on it both design H and designs on a block? B. F, H, K D. H. J, L is adjacent to one that has on it only designs H, I, J, K, and L? B. R D. J	sign F. D
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one that has on it both design R and design L can have on it either de 881) Which of the following can be the complete selection of hou A. F. G. H C. G. T. L 882) Which of the following house designs must be on a block that A. F C. H 883) Which of the following can be the complete selection of house that one block has on it designs H, I, J, and K only? A. H, I, J, and K	esign I or design J No block can have on it both design H and dese designs on a block? B. F, H, K D. H. J, L is adjacent to one that has on it only designs H, I, J, K, and L? B. R D. J e designs for a block that is adjacent to exactly one block, if B. G, H, K, and L	sign F. D D
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one that has on it both design R and design L can have on it either de 881) Which of the following can be the complete selection of hou A. F. G. H C. G. T. L 882) Which of the following house designs must be on a block that A. F C. H 883) Which of the following can be the complete selection of house that one block has on it designs H, I, J, and K only? A. H, I, J, and K C. I, K, and L	esign I or design J No block can have on it both design H and design B. F, H, K D. H. J, L is adjacent to one that has on it only designs H, I, J, K, and L? B. R D. J e designs for a block that is adjacent to exactly one block, if B. G, H, K, and L D. H, I, and K tly eight dresses are to be displayed on eight stands that are linght. There are three Green dresses, two Blue dresses, two White	D A ed up in a te dresses,
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		, D, E, F, G, H into two groups of four acts each, one group sch	
		heduled to perform, also one task at a time, in instrument 2. All	
		ne instruments must be scheduled for the same time slot as a task	
		following conditions: Task A must perform in one of the instrume	
		e of the instruments while task D perform in the other instrument	
		rm in the same instrument as Task D Task G must be the second	task that
•	m in instrument 2.		
888)	Which of the following, without regard to the order in which t	they will be performed, could be the group of acts to be	D
	scheduled for performance in instrument 1?		
	A. A, B, C, and F	B. A, B. D, and E	
	C. B, C, D, and F	D. C, D, F, and H	
889)	If task F performs in instrument 1, which of the following acts	s must perform in instrument 2?	В
/	A. A	В. В	
	C. C	D. D	
890)	If the order, from first to last, of practical tasks in instrument 2		D
070)	of acts in instrument 1, also from first to last?	2 is D, G, 1, C, which of the following is an accept able of the	D
	A. A, E, B. H	D D II A E	
		B. B, H, A, E D. H, B. A, E	
001)	C. B'. H, E, A		
891)	If task A must perform between task G and task E in instrume	ent 2, which of the following must be the first task in	C
	instrument 1?		
	A. B	B. D	
	C. F	D. H	
892)	If task F must take place in instrument 1 immediately after tas	k A and immediately before task E, which task must be the	C
	third task in instrument 2?		
	A. B	B. D	
	C. F	D. H	
Stude	nts at the Institute of Business Administration must complete	e a total of twelve courses selected from three different genera	l areas—
		students must meet the following course distribution requirements	
		five of the required twelve courses must be from marketing ar	
	ces, with at least one, but no more than three, selected from m		
	The minimum number of human resources courses required to		В
0/3)	A. 1	B. 2	D
	C. 3	D. 4	
004)			
894)		n resources course, the possible groups of courses to fulfill the	D
	course distribution requirements must include at least.		
	A. two marketing courses	B. three marketing courses	
	C. one finance course	D. one human resources course	
		omedians, J and K; and two girls comedians, L and M, are the eight	
		form alone and only once that night. The actors may perform in	
		ngers and the performances by comedians must exchange throu	
night.	The first performance that night must be by a girl actor and the	e second performance by a boy actor. The final performance mus	t, be by a
boy si			
895)	Which of the following could be the last of the actors to perform	rm?	В
	A. H	B. G	
	C. J	D. I	
896)	Which of the following could be the first of the actors to perfo		С
070)	A. F		C
		D III	
		B. H	
007)	C. M	þ. I	-
897)	C. M If H is to perform fourth, which of the following must perform	þ. I n, sixth?	D
897)	C. M If H is to perform fourth, which of the following must perform A. F	þ. I	D
897)	C. M If H is to perform fourth, which of the following must perform	þ. I n, sixth?	D
897) 898)	C. M If H is to perform fourth, which of the following must perform A. F C. M	D. I	D A
	C. M If H is to perform fourth, which of the following must perform A. F C. M	D. I	
	C. M If H is to perform fourth, which of the following must perform A. F C. M If M is to perform seventh, which of the following must perf	D. I	
898)	C. M If H is to perform fourth, which of the following must perform A. F C. M If M is to perform seventh, which of the following must perf A. L C. G	D. I	A
898)	C. M If H is to perform fourth, which of the following must perform A. F C. M If M is to perform seventh, which of the following must perf A. L C. G If F is to perform eighth, which of the following must perform	D. I	
898)	C. M If H is to perform fourth, which of the following must perform A. F C. M If M is to perform seventh, which of the following must perf A. L C. G	D. I	A

iscip	

900) If J is	to perform third, K must perform.		D
	est or fifth B.	second or fifth	
C. for	urth or seventh D.	fifth or seventh	
	is to perform third, I fourth, and K fifth, which of the follow	ving must perform sixth?	В
A. F	В.	Н	
C. C	D.	J	
At the start	of a two-week hiking trip, eight girls— Fozia, Hina, Juwar	ia, Kiren, Milaka, Samina, Tamina, and Raheela—will divi	de into a.
		ng different trails for one week, the groups will meet and the	
		each, which will again follow different trails for a week. The	
		na cannot be in the same group as Raheela. For the second we	
Tamina and	Raheela must be in the Lake Group. For each of the two	weeks, if Fozia is in the Mountain Group, Kiren must also	
	roup. For each of the two weeks, Juwaria must be in the sam		
	ch of the following could be the members of the Lake Group		A
A. F	Fozia, Hina, Kiren, and Raheela B.	Fozia, Kiren, Milaka, and Samina	
C. H	Hina, Juwaria, Samina, and Tamina D.	Hina, Kiren, Tamina, and Raheela	
903) If M	ilaka is in the Lake Group for the second week, which of the	e following must be the members of the Mountain Group	В
for tl	hat week?		
A. F	Fozia, Hina, Juwaria, and Samina B.	Fozia, Hina, Kiren, and Samina	
C. H	Hina, Juwaria, Kiren, and Samina D.	Hina, Juwaria, Samina, and Raheela	
	each week, Samina is in a different group from Tamina, San		Е
	y one week?		
A. F	Fozia B.	Hina	
C. K	Kiren D.	Milaka	
	waria is in the Mountain Group for the first week, which of		A
	ozia B.	Hina	
C. M	ilaka D.	Samina	
906) If ex	actly two girls change groups at the end of the first week, th	ose two girls could be which of the following?	D
A. H	Hina and Kiren B.	Hina and Samina	
C. Ki	iren and Samina D.	Kiren and Raheela	
		of seven candidates: Fahid, Ghalib, Junaid, Mohsin, Naveed	
		riews are to be scheduled back-to-back, starting at 9 a.m., acc	
		at either 9 a.m. or 10:30 a.m. Pervaiz's interview must be s	
		iew after Naveed' interview. Naveed's interview must be sch	
	anveer's interview is scheduled to begin.	interview. Junaid's interview must be scheduled to begin ex	actly one
	ch of the following people can be scheduled for the interview	y that begins at 9 a m ?	С
		Junaid	C
	ohsin D.	Naveed	
	earliest time that Junaid's interview can be schedule to begin		В
	E	10 a.m.	
		11 a.m.	
909) If Nav	veed's interview is scheduled to begin at '9:30 a.m., who mu	st be scheduled for the interview that begins at 11a.m.?	D
A. Fal	hid B.	funaid	
C. Mo	ohsin D.	Pervaiz	
/	interview schedule shows Tanveer's interview as the next aft		D
	ed', how long after Ghalib's interview is scheduled to begin n		
	minutes B.		
		2 hours	
	veer is scheduled for the interview that begins at 9 a.m., Fah		D
		10:30 a.m.	
C. 11			1 10
		ion leader of the society is selecting two Sets of books—Set	
		, and L. Set 1 will contain four of the books and Set 2 will cong to the following restrictions: F cannot be in the same Set	
	. must also be in Set 2. If L is in Set 1, I must also be in Set 1		as O. II J
DOL 2, L	. Indeed date of the sect 2. If 12 is in sect 1, 1 indeed discourse in sect 1	••	

Discipline: _____ Page **54** of **61**

912)	If F and L are in Set 2, any of the following books can also be it	n S	et 2 EXCEPT	A
	A. G	B.	H	
	C. I	D.	J	
913)	If L is in Set 1, which of the following must be true?			В
	A. F is in Set 1.	В.	H is in Set 2.	
	C. J is in Set 2.	D.	G is in the same Set as H.	
914)	If J is in Set 2, which of the following must be true?			C
	A. F is in Set 2.	В.	G is in Set 2.	
	C. I is in Set 1.	D.	K is in the same Set as L.	
Six do	eggies-R, V, W, X, Y, Z-must each be scheduled for examin	ati	on by a veterinarian. The doggies are to be examined one at	a time in
six co	nsecutive time slots on the same day according to the following	g co	onditions: W cannot be examined immediately before or im	mediately
	X. V must be examined immediately before Z. R must be examined.			
915)	Which of the following is an acceptable examination schedule f			D
			V, Z, Y, R, X, W	
	C. W, Y, X, V, Z, R		X, Y, W, R, V, Z	
916)	If V is examined second, which of the following must be true			C
	A.)R is examined at some time before X.) W is examined at some time before Y.	
	C. Y is examined at some time after R	D.	W is examined sixth.	
917)	X can be examined in any of the following time slots EXCEPT			В
	A. First		Second	
	C. Third	D.	Fifth	
918)	If V is examined first, Y must be examined.			D
	<u> </u>		immediately before X	
	C. at some time before W	D.	at some time after R	
919)	If X is examined sixth, which of the following is a complete and	d a	ccurate list of the time slots any one of which could be the	C
	ime slot in which W is examined?			
	A. First		First, second	
	C. First, third	D.	First, second, third	
920)	If Z is examined at some time before W is examined, V can be	exa	mined.	A
	A. immediately after X	В.	immediately after Y	
	C. immediately before Y	D.	at some time after W	
921)	If both W and Y are examined at some time after R is examined	ed,	X must be examined.	D
	A. First	B.	Second	
	C. Third	D.	first or else third	
To gai	in full course credit for him tour of a foreign city. Zeeshan mus	t vi	sit exactly seven famous places of interest—a foreign offic	e, a river,
	ll, a library, a mosque, a club, and a theater. Any tour plan the			
	able, except that he must plan his tour to conform with the follow			
visited	I. The hill must be visited immediately before the river. The libr	ary	can be neither the first nor the last place visited. The mosqu	e must be
either	the first or the last place visited. The club must be one of the last	st tl	hree places visited.	
922)	f, on him tour. Zeeshan visits the theater, the library, and the fo	orei	gn office, one directly after the other in the order given,	D
	ne must visit the river;			
	A. Second		Third	
	C. Fourth	D.	Fifth	
923)	If, Zeeshan begins him tour at the hill, which of the following c	oul	d be the fourth place of interest he visits on the tour?	C
	A. The foreign office	В.	The river	
	C. The library	D.	The mosque	
924)	If Zeeshan is to visit the club sixth, he could visit the hill in any	of	the following positions on him tour EXCEPT;	D
	A. First	В.	Second	
	C. Third	D.	Fourth	
925)	If Zeeshan visits exactly one place of interest between him visit	s to	the foreign office and the club, that place must be either	D
ĺ	the;		, 1	
	A. river or the hill	В.	river or the theater	
	C. hill or the mosque	_	library or the mosque	
The a	dministrator of a commercial designing Firm is scheduling ex-		· ·	, Mondav
	th Saturday. Each task can be completed in one full day, and exact			
	ling to the following conditions: J must be completed sometim			
	or the day immediately after the day on which O is completed.			

Discipline:

926) Any of the following could be completed on Saturday EXCEP	T;	A
A. J	B. K	
C. L	D. M	
927) If K is completed on Wednesday, which of the following could	be true?	D
A. J is completed on Tuesday	B. L is completed on Monday	
C. L is completed on Friday	D. M is completed on Monday	
928) If O is completed on Monday, which of the following must be	true?	D
A. J is completed sometime before K	B. J is completed sometime before N.	
C. K is completed sometime before L	D. N is completed sometime before K	
929) If J is completed on Tuesday, which of the following must be t	rue?	A
A. K is completed on Monday	B. L is completed on Thursday	
C. L is completed on Saturday	D. M is completed on Wednesday	
930) If M is completed on Tuesday, any of the following could be tr		C
A. J is completed on Monday	B. K is completed on Saturday	
C. L is completed on Wednesday	D.) L is completed on Friday	
931) If K is completed on Friday, which of the following must be tr		C
A. J is completed on Monday	B. J is completed on Wednesday	
C. L is completed on Saturday	D. M is completed on Monday	
Retail Store identify individual product by means of a four-symbol identify		
6, 7, 8, and 9 and the four letters L, M. N, and O. Each code consists		
and the two digits must be next to each other, Of the two digits, the le	off digit must be less than the right digit. The two letters must be of	lissimilar
letters.	1:14 6 4 11:20	D.
932) Which of the following could be the third symbol in a code in		D
A. L	B. M	
C. O	μ. p	D
933) Which of the following must be true of any code in which the		D
A. The letter M also occurs in that code C. The letter O also occurs in that code	B. The letter N also occurs in that code	
934) If the first symbol in a code is 7, any one of the following symbol in a code is 7.	D. The letter L occurs in that code exactly once	A
EXCEPT the;	bols could occur in one of the remaining three positions	А
A. digit 6	B. digit 8	
C. digit 9	D. letter N	
Exactly six different essays will appear in a coming issue of a magaz		the other
three essays—M, N, and P—are by the writer Y. Each essay will appe		
3, 6, 9. 12, 15, and 18. The order in which the essays appear in the is		
9, and 15 must all be by the same writer. I must precede P. M must p.		10,
935) Which of the following is an acceptable order, from first to las	t, in which the essays can appear in the magazine?	D
A. I, P, M, G, N, J	B. J, N, I, P, G, M	
C. M, I, G, J", N, P	D. M, I. P, G, N, J	
936) J could appear on any of the following pages EXCEPT;		A
A. 3	В. 6	
C. 9	D. 12	
937) If N appears on page 6, which of the following essays must app	pear on page 12?	D
A. G	В. І	
C. J	D. M	
938) If an essay by K appears on page 3, which of the following is a		D
A. G and J	B. G and M	
C. J and P	D. M and N	
939) If G and N appear on pages 15 and 18, respectively, which of t	the following is a pair of essays that must appear on pages 3	В
and 6, respectively?		
A. I and J	B. I and M	
A. I and J C.) I and P	D. J and M	
A. I and J C.) I and P 940) If P appears on page 6, G must appear on which of the following	D. J and M ng pages?	В
A. I and J C.) I and P	D. J and M	В

Discipl	

-	f I appears on page 12, which of the following is a complete ar	nd accurate list of all the essays any one of which could	A
	appear on page 9?		
		В. Р	
	C. M, N	D. N, P	
		es of articles. Bred, Biscuits, Pizzas, Snakes, Cake, Sweet, and S	
		en type are all together in one shelf and no shelf contains more t	
		e following further constraints: Bred and Cake must be in a shelf	
		er Biscuits nor Snakes can be in the same shelf as Sweet. The Sv	veet must
	ither shelf I or shelf II. Each type of goods must be in some sh		
· ·	f Pizzas are in I and Sweet is in II, which of the following mus		D
-	A. Bred are in I.	B. Bred are in U.	
	C. Bred are in III	D. Biscuits are in II	D
	f Pizzas are in II and Sweet is in I. any of the following can be		В
	A. Bred are in II.	B. Bred are in III	
	C. Cakes are in I.	D. Cakes are in II.	D
	f Bred, Cake, and Sandwich are in I, which of the following m		D
	A. Biscuits are in II.	B. Pizzas are in I.	
	C. Pizzas are in III.	D. Snakes are in II.	Α.
	f Cake is in II, which of the following is acceptable? A. Bred are in 1 and sandwich are in II.	B. Biscuits are in I and Snakes are in II.	A
	C. Biscuits are in I and Snakes are in III.		
		D. Snakes are in I and Sandwich are in II X—in twelve stands numbered consecutively from 1-12. The	
		he groups must be separated from each other by at least one uni	
		e Blue color, and four from the White color. Unused wail stand	
		Γ , and U are all paintings from the same color. Stand number 5	
	P and V are Green-color paintings. W is a Blue-color painting		is arways
	If stand 4 is to remain empty, which of the following is true?		С
	A. Stand number 10 must be empty.	B. A White-color painting must be hung in stand 12	
	C. A Green-color painting must be hung in stand 3	D. A Blue-color painting must be hung in stand 1	
	If the paintings are hung in white, blue and green order by colo		D
· -	A. 1, 5, and 10	B. 1,6, and 10	
	C. 4, 7, and 8	D. 5, 8, and 12	
948)	Which of the following is a stand that CANNOT be occupied b	y a Blue-color painting?	A
	A. Stand 1	B. Stand 6	
Ī	C. Stands	D. Stand 11	
949)	f S hangs in stand 11, which of the following is a possible arra	ngement for stands 8 and 9?	D
	A. P in 8 and V in 9	B. T in 8 and Q in 9	
Ī	C. W in 8 and Q in 9	D. 8 unused and R in 9	
950)	f the White-color paintings are hung in stands 1-4, which of the	ne following CANNOT be true?	D
	A. Stand 8 is unused.	B. Stand 9 is unused.	
	C. P is hung in stand 6.	D. V is hung in stand 12.	
951)	If the first five paintings, in numerical order of stands, are P, 2	X, V, W, Q, which of the following must be true?	A
Ī	A. Either stand 1 or stand 4 is unused	B. Either stand 7 or stand 12 is unused	
	C. R hangs in stand 11.	D. Two unused stands separate the Green-color and Blue-	
		color paintings	
Exactly	seven boys—F, G, H, I, J, K, and L—are to be divided into tw	o study teams, team 1 and team 2. Team 1 must have three mem	bers, and
team 2	must have four members. The boys are being assigned to team	ns according to the following conditions: F cannot be in the sam	e team as
H. If G	is in team 1, I must be in team 1. If J is in team 1, H must be i	n team 2. K must be in team 2.	
952)	If F is in team 2, which of the following must also be in team	2?	D
ļ	A. G	В. Н	
	C. I	þ. J	
953)	If J is in-team 1, which of the following must also be in team		A
	A. F	B. G	
	С. Н	D. I	
	f H and L are both in team 1, which of the following must be t		В
	A. G is in the same team as I.	G is in the same team as J.	

C. I is in the same team as F.	J is in the same team as H	
955) If J is in the same team as H, any of the following is a pair of be	oys who could be in a team together EXCEPT;	В
A. F and G	B. G and L	
C. H and L	D. I and L	
956) If I is in the same team as L, which of the following must be tru	ne?	D
A. F is in team 1	B. G is in team 1.	
C. H is in team 1	D. J is in team 2	
957) If G is in team 1, which of the following must be true?		D
A. F is in team 1.	B. H is in team 1.	
C. H is in team 2.	D. L is in team 1	
Researchers are testing numerous petrol samples for the presence of t	hree chemicals— U, V, and W. Each sample contains one or mo	ore of the
chemicals, U, V, and W but no other chemicals. The practical availab		
the sample contains U but not V, practical R gives a positive result. Pr	ractical R gives a negative result otherwise. If the sample contain	ns U or V
or both, or if the sample has already been subjected to practical R, prac		
If the sample contains W and has already been subjected to practical	S, practical H gives a positive result. Practical H gives a negat	ive result
otherwise.		
958) If a sample is subjected to practical S and the result is negative,	then of the three chemicals, the sample must contain	В
A. U only	B. W only	
C. U and V only	D. U and W only	
959) Which of the following practical, if performed as specified, wil	l give a result that in itself does NOT tell researchers	A
anything about the chemical content of a sample?		
A. R performed first	B. S performed first	
C. H performed first	D. R performed after S	
960) If a sample is subjected to the three practical in the order R, S,	and H, and if only practical S is positive, which of the	С
following could be the sample's chemical content?		
A. U only	B. V only	
C. W only	D. U and W only	
961) If researchers know that, of two samples, one contains U only a	, ,	С
sample contains which chemical, they do so with the least amou		
A. Either sample to practical R	B. Either sample to practical S	
C. Either sample to practical H	D. Both samples to practical R	
A Electrical Engineer is experimenting with varying arrangements of	* *	l Y—in a
loop containing eight positions, each capable of containing one bulb.		
positions are empty. In devising arrangements, the Electrical Engineer		
X must be directly adjacent to Y. W must be directly adjacent to Y on		
from one bulb directly to another when the two bulbs are directly adjacet		
around the loop, from one bulb to another, until it reaches an empty p		
962) If a signal can be transferred, either directly or indirectly, from		A
directly or indirectly, from;	-	
A. T to V	B. T to W	
C. U to W	D. U to X	
963) If V is directly adjacent to X, any of the following could be true	EXCEPT:	С
A. T is directly adjacent to V	B. U is directly adjacent to V	
C. U is directly adjacent to X	D. T is directly adjacent to an empty position.	
964) If X is directly adjacent to an empty position, which of the follows		В
ending bulbs, that can be used in the transfer of a single signal?		
A. Two	B. Three	
C. Four	D. Five	
965) If there is one bulb that is directly adjacent to both empty positi	ons, that bulb must be (A) U (B) V (C) W (D)X	В
A. U	B. W	
C. V	D. X	
966) If a signal can be transferred from T to Y, any of the followin		D
EXCEPT;	g canes could be amonly adjusted to an empty position	
· · · · · · · · · · · · · · · · · · ·	B. U	
C. W	D. V	
In a cable assembly plant, cables are manufactured by twisting plas		actly six
different solid colors—pink, brown, tan, gray, purple, and blue. Copper		

Page **58** of **61**

Discipline: _____

cable	Each cable must contain at least three copper wires and copper were an be blue. At most two copper wires in a single cable can be proposed to the company wire in single than a separate wire and the company wire in single than a separate wire and the company wire in single than a separate wire and the company wire in single than a separate wire and the company wire in single than a separate wire and the company wire in single than a separate wire and the company wire in single cable can be proposed to the company wire in single cable can be proposed to the company wire in the comp	urp	le. There can be at most one copper wire of each of the other	r colors in
	e cable. If one copper wire is pink, then one copper wire must b			gray. B
907)	Which of the following could be the complete set of copper wir			В
	A. A gray copper wire, a purple copper wire, and a tan copper wire	В.	A tan copper wire, a blue copper wire, and a purple copper wire	
	C. A pink copper wire, a blue copper wire, and a gray copper	_		
	wire	ν.	A brown copper wife and exactly two blue copper wifes	
968)	The maximum number of copper wires that can be used in an ac	rce:	I ntable cable is:	В
700)	A. 8	R	7	Ь
	C. 6	D.	5	
969)	If exactly one blue copper wire and exactly one purple copper w			A
, ,,	following must be true?			
		B.	The cable contains exactly six copper wires	
			The cable does not contain a pink copper wire	
970)	If a purple copper wire and a tan copper wire must be among t			D
ĺ	following pairs of copper wires could complete the cable EXC			
	A. blue copper wire and a second purple copper wire	В.	brown copper wire and a second purple copper wire	
	C. brown copper wire and a blue copper wire	D.	pink copper wire and a brown copper wire	
971)	f a manufactured cable consists of exactly five copper wires, ea	ach	a different color, it could be true that a color NOT used	C
	s;			
			Purple	
			Pink	
972)	If there is an additional requirement that tan must be used if bro			C
			No cable contains more than five copper wires	
			Pink is always used if tan is used	
	ent is planning his class schedule for the First and second semes			
	I semester, the student must complete at least three courses in A			
	ourse in Area SOCIAL SCIENCE. The only courses available			
	KETING: M101, M102, M103, M201 Area SOCIAL SCIENCE			
	tions; A student can take no more than two courses with the san O's are offered only in the second semester; courses with a nu			
	ters. No course taken in the First semester can be repeated in the			ia secona
	Which of the following is a course that the student must take?	ی مر	cond semester.	A
713)	A. F102	R	M101	А
	C. S101		M102	
974)	Which of the following is a possible schedule for the second ser			С
) / ¬)	<u> </u>	_	F102, M101 and M102	C
	C. F201, F202 and S102		M101, M102 and M201	
975)	If the student takes M101 and M102 in the First, his second sch			D
,,,,	A. F203	_	F201 and F202	-
	C. M201	_	exactly one course from Area MARKETING	
A iou	rnal published three times a year contains exactly three articles,			rticles are
	I in the journal: finance, I.T, marketing, business, and sale force.			
	ar, the editor adheres to the following conditions: At least one			
	lways contains marketing. No issue can include both an I.T and			
-	wo issues each year must contain finance.			
	If, a sale force publish in the spring issue of a particular year, w	hic	h of the following lists the articles that must publish in the	В
	fall issue of the year, not necessarily in the order given?		·	
		B.	A finance, a marketing, and a business	
			A finance, a business, and a sale force	
077)	c. I i imanee, a marketing, and a safe force			
9//)	If, two article types publish three times each in a particular year	ar's	s issues, those types must be?	С
977)	If, two article types publish three times each in a particular year		s issues, those types must be? a finance and a marketing	С
	If, two article types publish three times each in a particular yea. A. a finance and an I.T C. a finance and a business	B. D.	a finance and a marketing a marketing and a sale force	
	If, two article types publish three times each in a particular yea. A. a finance and an I.T C. a finance and a business If a particular year's winter issue of the journal contains Market	B. D.	a finance and a marketing a marketing and a sale force	C
	If, two article types publish three times each in a particular year. A. a finance and an I.T C. a finance and a business If a particular year's winter issue of the journal contains Market the following?	B. D. ing	a finance and a marketing a marketing and a sale force	

	C.	I.T, Business, sale force	D.	Finance, Business, sale force		
979)	If, during a particular year, two issues each contain a sale force and two issues each contain an Marketing, then the windsue of that year must include;				D	
	_	A Finance	B.	An I.T		
		A Marketing		A Business		
980)	0) If four of the five types of articles publish twice during a particular year and if one type publish only once, then the type that					
	_	blish only once must be either;	_	I		
		A Finance or an I.T		An I.T or Marketing		
		Marketing or a Business		A Marketing or a sale force	_	
981)	If for a particular year the editor Decides to make the spring issue of the journal a special issue devoted entirely to three sale forces, but continues adhering to the conditions on the choice of articles, then which of the following lists the articles, not necessarily in the order given, that must publish in the winter issue of the year?				В	
				A Finance, an I.T, and a Business		
				An I.T, Marketing, and a Business		
A conference organizer must select exactly three speakers to respond to special issue to be presented by an invited speaker. The three speakers to respond to special issue to be presented by an invited speaker. The three speakers theoretical point of view. The other three—Shabir, Tahir, and Usman—are known to be negatively to the speaker's theoretical point of view selecting the three speakers, the conference organizer must observe the following restrictions: At least one positively speaker and at least negatively speaker must be among those selected. If Irfan is selected, Tahir cannot be selected. If either Liaquat or Mohsin is selected, the organizer must be among those selected.						
		be selected. If either Kamran or Usman is selected, the other		nust also be selected.		
		nich of the following could be the group of speakers selected		r.c. (1.1: 177.1:	С	
		Irfan, Liaquat, and Mohsin	_	Irfan, Shabir, and Tahir		
	_	Kamran, Shabir, and Usman		Liaquat, Shabir, and Tahir	ъ	
		rfan is selected as a speaker, which of the following must als			D	
				Mohsin		
		Shabir		Tahir		
		nich of the following is a pair of volunteers that can be select			D	
		Irfan and Liaquat	В.	Irfan and Shabir		
	_	Kamran and Liaquat	D.	Mohsin and Shabir		
		he group of speakers selected must include either;			D	
		Irfan or Shabir	_	Kamran or Shabir		
		Kamran or Tahir		Liaquat or Mohsin		
		is making up an assignment duty for three nurse teams. Each				
1, Shift 2, or Shift 3. Bach team will consist of two of the following nurses: Ghalia, Hina, Irfana, Kiran, Lubna, and Minahel. Each nurse we be on exactly one team. Irfana, Lubna, and Minahel have each completed a special emergency-training program; Ghalia, Hina, and Kiran ha not. Ghalia, Hina, and Irfana each have at least three years of job experience; Kiran, Lubna, and Minahel do not. The Doctor must observe to following restrictions in making up the assignment duty: Each team must include at least one nurse who has completed the special emergency training program. Each team must include at least one nurse who has at least three years of job experience. Ghalia must be assigned either Shift 1 or to Shift 2.						
986)	W	Which of the following must be true?			D	
		Ghalia will be Kiran's partner		Ghalia will be Lubna's partner		
		Hina will be Lubna's partner		Irfana will be Kiran's partner		
	par	nich of the following is a complete and accurate list of the nutner? Ghalia		s whom the duty officer can assign to be Minahel's Hina	D	
		Lubna	<u>р.</u>	Ghalia and Hina		
			<u>ν.</u>	J	D	
988) If Hina is assigned to Shift 2, which of the following must be true?					В	
		Kiran is assigned to Shift 1		Kiran is assigned to Shift 3		
		Lubna is assigned to Shift 1		Minahel is assigned to Shift 2		
		e duty officer CANNOT make acceptable nurses that assigns		L	A	
		Hina to Shift 1 and Minahel to Shift 3		Irfana to Shift 1 and Lubna to Shift 2		
		Kiran to Shift 1 and Ghalia to Shift 2		Ghalia to Shift 2 and Hina to Shift 3		
990) If Lubna is assigned to Shift 3, which of the following must be true?					D	
	A.	Hina is assigned to Shift 1	В.	Irfana is assigned to Shift 2		
		Minahel is assigned to Shift 1		Ghalia is Lubna's partner		

Discipl	lina	
DISCIPI	iiie.	

The relative solidity of five materials — G, H, I, K, and L — is to be	determined. One material is more hard then enother if drawing	on odge of
the fist material across a surface of the second material produces a g		as nard as
the second. The following results have so far. been obtained: G graze		Ι .
991) Which of the following could be the five materials in order from	om the most solid to the lowest solid if no two of them are	A
equally hard?	b lo v v v v	
A. G, I, L, K, H	B. G, L, K, H, I	
C. I. G, H, K, L	D. I, H, K, L, G	_
992) If H grazes K, which of the following must be true?		D
A. G is more solid than I	B. G is more solid than L	
C. I is more solid than G.	D. I is more solid than L	
993) If K grazes L, any of the following pairs of materials could be		D
A. G and I	B. G and K	
C. G and L	D. H and L	
Seven musical persons—R, S, T, U, V, W, and X— must sit on a sin	gle two-sided long-playing record. For a given side, any choice	of persons
and any sequence of persons will be acceptable so long as the follow	ving conditions are met: X must be first or last on a side; R mus	t be sit on
the same side as V, either immediately before V or immediately after		
as R, but neither immediately before nor immediately after R. Side	e 1 cannot begin with U. Each side must have at least two pers	ons. Each
person must sit on the record exactly one time,		
994) If side 2 begins with U, which of the following persons must s	it on side 1?	В
A. R	B. S	
C. T	D. V	
995) 5. If side 1 has exactly three persons and the first is W, which	of the following could be the other two persons on side 1?	D
A. R followed by S	B. S followed by U	
C. T followed by R	D. U followed by X	
996) If S and T are the only persons on side 1, which of the following	ng is a possible order of the persons for side 2?	D
A. R, V, W, X, U	B. U, R, W, V, X	
C. V, R, W, U, X	D. X, R, V, W, U	
997) If side 2 contains exactly, four persons, beginning with V and		С
A. R appears on side 1.	B. S appears on side 2.	
C. T appears on side 2.	D. W is the first person on side 1	
998) If W, R, and X are among the persons on side 1, which of the		D
A. S appears on side 1	B. U appears on side 2	
C. T is the first person on side 2	D. Side 2 has exactly three persons	1
999) If S, T, and X are all of the persons that sit on side 1, and side		A
A. The second person on side 2 is U	B. The third person on side 2 is R	Λ
C. The third person on side 2 is W	D. The last person on side 2 is R	
1000 If S and T are the only persons on side 2, which of the following		D
	 	ע
A. U, R, W, V, X	B. X, R, V, W, U	
C. V, R, W, U, X	D. X, V, W, U, R	