الله المعتاقة الم	University of Agriculture, Faisalabad						
	Entry Test for Admission to N	/IS/M.Phil/M.Sc.(Hons)/Ph.D					
المربع بيشوسية المقاليات	Program						
<u></u>	Dated: 00-00-2021 a	t 10:00 am					
	Time: 90 Min	Maximum Marks: 100					
		1					

DISCIPLINE: Disciplination NOTE: Please solid fill the correct option on the bubble (answer) sheet COVID-19 SOPs will follow

		MCQ	?'s	Answe r Key
1)	Which of the following is true about making comparison	ı in epi	demiological approach?	D
	A. Both the study and control group should be similar		Random allocation is not possible in case of control and cohort study	
	C. The comparability can be ensured by randomization		All of these	
2)	Which of the following epidemiological method uses indi-			D
	A. Case control study		Randomized controlled trials	
	C. Cross sectional study		All of the above	
3)	When a disease frequency is measured over a period of se			С
	A. Seasonal trends	В.	Cyclic trends	
	C. Secular trends	D.	None of the above	
4)	'Confounding bias" in case control study can be removed	by		А
	A. Matching	Β.	Double blinding	
	C. By properly recalling events	D.	By selecting representative population	
5)	Experimental epidemiology deals with	•		В
	A. Epidemics		Early Diagnosis	_
	C. Intervention		Screening of disease	
6)	To solve engineering problem, we have to formulate the p equations, such expression is called A. Functional model		As math expression in terms of variables, functions and	C
	C. Math model	D.	Math equation	
7)	Laplace transformation of function f(t)=cost(wt) is		· •	В
·	A. $s/(s+w)$	B.	$s/(s^2+w^2)$	
	C. s/(s-w)		$w/(s^2+w^2)$	
3)			inction into new function by using a process that involves	С
·	A. Differentiation		Binary manipulation	
	C. Integration		Logical manipulation	
9)	The curve of the function i.e. y=h(X) is called			В
·	A. Scalar curve	В.	Solution curve	
	C. Separation curve	D.	Summation curve	
10)	Mathematical models provide			А
/	A. Estimated results	В.	Wrong results	
	C. Accurate results	D.	Approximate results	
11)	Scientists used mathematical models to predict the growth			В
,	A. Sample	B.	Model	
	C. Design	D.	Structure	
2)	Mathematical models allow us to calculate			Α
/	A. Different quantities	B.	Area only	
	C. Speed only		Distance and time	1
13)	The purpose is to limit the incidence of disease by control			В

	A. Primordial prevention B.	Primary prevention	
		Tertiary prevention	
4)	The property of a test to identify the proportion of truly ill person		В
	test		
		Sensitivity	
		Negative predictive value	
5)	The probability of a person's having the disease when the test is p		Α
		Sensitivity	
		Negative predictive value	
)	The extent to which a test is measuring what it is intended to mea		С
		Sensitivity	
		Specificity	
)	Stage by which the presence of factors favors the occurrence of di		A
		Stage of clinical disease	
		Stage of disability	
)	Modes of horizontal transmission of disease, except		С
		Common Vehicle	
	C. Genetic D.	Vector	
)	Measures of central tendency, except		В
		Variance	
		Median	
)	Range of values surrounding the estimate which has a specified p		В
		Confidence interval	
	C. Standard error D.	Correlation coefficient	
)	The proportion of disease incidence that can be attributed to a spe	cific exposure	В
	A. Relative risk B.	Attributable risk	
	C. Odds ratio D.	Potential risk	
)	APGAR family assessment is interpreted by means of		А
	A. Scoring B.	Comparing with a standard table	
	C. Using a scale of wellness D.	Consultation with a family psychologist	
)	During amniocentesis chromosomal abnormalities of the fetus car	h be detected by taking the sample of	D
	A. Fetal Blood B.	Body fluid from the mother	
	C. Mothers Blood D.	Fluid surrounding the fetus	
)	An algorithm used in computer-aided drug discovery is		А
		Ras Mol	
	C. CATH D.	Chime	
)	First human EEG was recorded by		В
		Hans Berger	
		Einthoven	
)	Who is considered the father of electrocardiography		D
		Hounsfield	
		Einthovan	
)	Chi-square is used to analyze		С
		Ranks	-
		Any of these	
)	On which of the following does the critical value for a chi-square	•	А
		The sum of the frequencies	. =
	C. The row totals D.	The number of variables	
)	Using a goodness-of-fit test, we can assess whether a set of obtair		D
,		Actual	D
		Expected	
)	A researcher asked 933 people what their favorite type of TV pro	•	С
/	phy choose one answer. As such, the researcher had the number of		C
	- DNIV CHOOSE ONE ANSWER AS SHOEL THE RECEARCHER HAD THE DUMBER A		

1	A. t-test	B.	One-way analysis of variance	
		_	Regression	
31)	Which of the following is not an assumption for binary logistic			А
			No multicollinearity	
			Independence of observations	
32)	A significant odds ratio of 2.5 for BMI as a continuous predict			С
/	which of the following?			-
			Those with heart disease have 2.5 times higher odds of	
	A. The odds of heart disease increase 2.5% for every 1-		having an increasing BMI compared to those without heart	
	A. point increase in BM		disease.	
	$_{\rm C}$ The odds of heart disease are 2.5 times higher for every		There are 2.5 times as many people with heart disease as	
	C. 1-point increase in BMI.		without among those with higher BMI.	
33)	A confidence interval indicates a significant odds ratio when			С
í		B.	it includes 0	
		_	it does not include 0	
34) F	For a categorical predictor in a logistic regression model, what			В
			Reference group	
	<u> </u>	_	Independent group	
35) C	computing the percent correctly predicted by the model is one			А
557 0			Model significance	
			If assumptions are met	
36)	Which of the following is not an assumption for binary logistic			А
50)			No multicollinearity	11
	C. Linearity		Independence of observations	
37)	Internal validity refers to	μ.		А
57)		D	Whether or not the findings are relevant to the participants	Λ
	between two variables		everyday lives	
			How accurately the measurement represents underlying	
	worthwhile project		concepts	
38)	If a study is reliable this means that			В
50)		B.	The measure devised for concept are stable on different	D
	trusted		occasions	
			The methods are stated clearly enough for the research to	
	c. The findings can be generalized to other social settings		be replicated	
39)	Survey research is a cross-sectional design and therefore		be replicated	А
37)		R	High in internal validity but low in reliability	11
			None of the above	
40)	Panel and cohort design differ in that	μ.		С
-0)	Cohort studios involvo quantitativa research whereas		A panel study does not need rules to handle new entrants to	C
	A. panel studies are qualitative		households	
	A panel study can distinguish between age effects and	- 1		
		D.	Only a cohort study suffers from sample attrition	
	ageing effects	<i>р</i> .	only a conort study suriers from sample authon	
41)	Cross cultural studies are an example of			В
4 1)		R	Comparative design	D
			Experimental design	
42)	Lincoln and Guba (1985) propose that an alternative criterion			В
<i>•∠)</i>			Trustworthiness	U
			Joyfulness	
43)	Naturalism has been defined as	<i>ν</i> .		D
т <i>Э</i>)		R	Being true to the nature of phenomenon under	D
1				
	same realm		Investigation	
	same realm C. Minimizing the intrusion of artificial methods of data		investigation All of the above	

44)) In an experimental design the dependent variable is			А
	The one that is not manipulated and in which any	В.	The one that is manipulated in order to observe any effects	
	A. changes are observed	в.	on the other	
	C. A measure of extent to which personal values affects	h	An ambiguous concept whose meaning depends on how it	
	C. research	р.	is defined	
45)	Youden's index integrates sensitivity and specificity informat	ion	under circumstances that emphasize both sensitivity and	А
· ·	specificity, with a value		· ·	
	A. From 0 to 1	Β.	Less than 0	
	C. Greater than 1	D.	All of the above	
46)	At the ROC curve and Youden index analysis we could find			В
	A. Sensitivity and specificity	Β.	the optimal cutoff value	
	C. Standard deviation	D.	Minimum and maximum range values	
47)	The Youden index (or Youden's J statistic) is defined as		· · ·	А
· ·	A. J=sensitivity + specificity - 1	Β.	J=sensitivity - specificity + 1	
	C. J=1- sensitivity + specificity	D.	J=sensitivity - specificity - 1	
48)	The balanced accuracy (BACC) is			С
,	A. Difference of sensitivity and specificity	Β.	Cumulative sensitivities of 2 or more test	
	C. Average of sensitivity and specificity		All of these	
49)	The lift measures how much better the predictions by the mo			А
,	A. Baseline or null model		Test hypothesis	
	C. Random model		Null hypothesis	
50)	If sensitivity and specificity are diagnostically,		71	А
/	the better) at a given cutoff			
	A. Equally important	B.	Un equally desirable	
	C. Highly variable	-	Negligible	
51)	With respect to optimal prediction threshold a Youden Inde			D
/	A. Max (TPR – FPR)		Max (sensitivity + specificity -1)	
	C. Maximum difference between the TPR and FPR		All of these	
52)	f P = 0.01 (1%), sensitivity = 0.99 (99%) and specificity = 0.			В
<i>c</i> _ <i>)</i>	A. Greater than 1	B.	Equal to 0.02	2
	C. Highly significant	-	Non-significant	
53)	The likelihood ratio of a positive test result (LR+) is the ratio			А
55)	A. The proportion of healthy individuals that test positive		The proportion of healthy individuals that test positive, and	
	C. The sum of healthy individuals that test positive	D.	None of these	
54)	Algebraically the ratio of $LR+$ to $LR-$ equals the	μ.		D
54)	A. $(a/c)/(b/d)$	B	Diagnostic odds ratio, DOR	D
		<u>р</u> .		
	C. Sensitivity/(1-specificity)/ (1 - sensitivity)/	D.	All of these	
	specificity			
55)	The pre-test odds of disease is the ratio of the pre-test probab	ility	y of disease and	А
	A. The pre-test probability of not being diseased	Β.	The pre-test probability of died	
	C. the post-test probability of not being diseased	D.	The post-test probability of diseased	
56)	Statistical modelling of epidemiological data should not simp		be the end-point of an epidemiological study, but	А
	A. Should be integrated into the process of epidemiological	Β.	Should not be integrated into the process of	
	research		epidemiological research	
	C. Should be segregated from the process of	D.	None of these	
	epidemiological research			
57)	Standardized residuals, which are calculated by dividing the			А
	A. Estimated standard error	-	Estimated results obtained	
	C. Estimated standard deviation	D.	Estimated maximum likelihood	
58)	Influential data are those that have a particularly strong influential	ence	e on the estimation of the	С
	A. Coefficients of variables		Y-intercept	
	C. Regression coefficients		Level of significance	
59)	Plotting the ordered residuals against standard normal deviate	es		В

	A. Histogram	B.	Q-Q plots	
	C. Skewness of data		None of these	
60)	Piece-wise (or segmented) regression involves modelling the	rela	ationship between an input variable and output variable	А
,	using different functions over			
	A. Distinct ranges of the input variable	Β.	Specified independent variable	
	C. Distinct ranges of the output variable		None of these	
61)	A priori knowledge should be used to develop a causal model	be	fore statistical modelling begins and, ideally, before	D
,	A. Data collection	1	Data assortment	
	C. Data curation	D.	All of these	
62)	A 95% confidence interval corresponds to a			С
	A. level of significance of 5% ($P = 0.5$)	Β.	level of significance of 95% ($P = 0.05$)	
	C. level of significance of 5% ($P = 0.05$)	-	level of significance of 5% (P = 50)	
53)	Methods of data presentation include			D
,	A. Tables and charts	Β.	Graphs and plots	
	C. Tables and plots	D.	Tables, charts, graphs and plots	
54)	Common formats for display of frequencies include	p.	ruores, enarce, grupho una proce	А
51)	A. Tables, pie charts and bar charts	B.	Graphs and plots	
	C. Tables and plots	D.	Tables, charts, graphs and plots	
65)	The relative risk, RR, is the ratio of the incidence of disease i	n er		В
05)	A. In healthy but exposed animals		In unexposed animals	D
	C. in resistant animals	-	All of theses	
56)	The passing of a communicable disease from an infected host			А
50)	A. Transmission		Diffusion	Π
	C. Vector		Transformation	
57)	Separation of human that are either infected or suspected of b			А
57)	A. Quarantine		Isolation	A
	C. Case fatality	_	Point prevalence	
68)	Reduction in the incidence of infectious diseases below the le			۸
08)	pccurs, although the infectious agent may be allowed to persi-			А
	A. Elimination of a disease		Eradication of a disease	
	C. Quarantine of infected		Isolation of infected	
(0)				D
69)	All of the followings are true regarding advantages of Cohort			В
	A. These Can investigate multiple outcomes and potential risk factors	в.	Follow-up can easily be maintained	
		h	Disease progression can be studied	
70)	C. Cohort studies are good for studying rare exposures The passing of a communicable disease from an infected host			
70)	A. Transmission	-		A
			Diffusion	
71\	C. Vector		Transformation	
71)	Structured collection of data, organized so that it can be access			A
	A. Data	_	Raw Material	
70)	C. Preparation	<u>D.</u>	None of these	0
72)	Reporting of health events by health professionals who are se	lect	ted to represent a geographic area, or a specific reporting	С
	group Refers to	<u> </u>		
	A. Outbreak Surveillance		Risk Factor Surveillance	
	C. Sentinel Surveillance		Syndromic Surveillance	
73)	Reference to surveillance, which of the following is true for V	/olu		D
	A. Legal obligation for observer to report event of interest	В.	Medical officers with expertise are recruited to investigate	
	r to government official	<u> </u>	outbreaks of unusual disease syndromes	
	An estimate of the population under surveillance can	L	Observation of event of interest is reported to government	
	C. help to calculate population-based morbidity	D.	official either directly by public or through publications or	
		<u> </u>	other sources	
74)	One of the following is the selection of the options for contro	Ilin	g risks, taking into account social values, legal	D
	requirements and costs of control	-		<u> </u>
	A. Risk assessment	В.	Risk analysis	

	C. Risk communication	D.	Risk management	
75)	Reference to data management, mark the incorrect statement:		•	С
	A. Bar Graph – used to show relationships/ comparison between different groups	В.	Line Graph – most useful in displaying data that changes continuously over time	
	C. Circle Graph – good for showing and comparing two or more distributions on the same set of axes	D.	Pictograph – it uses small identical or figures of objects called isotopes in making comparisons]
6)	Reference to risk analysis, a situation where risk assessors and and responsibilities is termed as:	d m		A
	A. Internal risk communication	Β.	External risk communication	
	C. Risk interpretation		Risk assessment	
7)	A questionnaire that produces consistent results just like a dia	igno	ostic test is known as:	В
	A. Valid	Β.	Reliable	
	C. Response rate	D.	Mutually Exclusive	
'8)	What are the Criteria for the success of a questionnaire?			В
	A. Reliability and validity	Β.	Number of completed forms	
	C. Ration of unanswered questions	D.	Response of participants on a question	
'9)	In which of the following sex composition can be demonstrated	ed:		А
	A. Simple bar chart	Β.	Component bar chart	
	C. Pictogram	D.	Pie chart	
0)	Quantitative date can be represented in:			D
	A. Pictogram	Β.	Pie diagram	
	C. Histogram	D.	Bar diagram	
1)	A pictorial diagram of frequency distribution is denoted by w	hic	h of the following:	Α
	A. Histogram	Β.	pictogram	
	C. Pie charts	D.	Bar charts	
2)	If vital index is above 100, it means:			В
<i>,</i>	A. Population is decreasing	B.	Population is increasing	
	C. Population is neither decreasing nor increasing		First there is decrease and then an increase in population	
3)	Mortality experiences are taken into account when defining:			А
<i>,</i>	A. Net reproduction rate	Β.	Gross reproduction rate	
	C. Total fertility rate	_	General fertility rate	
4)	Approximate magnitude of completed family size can be obta			D
	A. Pregnancy rate		General marital fertility rate	
	C. Gross reproduction rate		Total fertility rate	
5)	The number of new cases that occur in a known population of			Α
.,	A. Incidence		Prevalence	
	C. Cumulative incidence	_	Incidence rate	_
6)	The number of cases that are known to have occurred during			Α
0)	A. Period prevalence	-	Point prevalence	
	C. Lifetime prevalence	-	Incidence	_
7)	The proportion of non-diseased individuals at the beginning of			D
')	A. Incidence		Point prevalence	
	C. Odds ratio	-	Cumulative incidence	
8)	The analysis based on study of price fluctuations, production			С
0)	A. Sample series analysis		Numerical analysis	
	C. Time series analysis	_	Experimental analysis	
9)	Outbreak of disease is one that occurs <i>irregularly and haphaz</i>			С
11	A. Pandemic		Outbreak	
<i>,</i>			Endemic	-
,	C Sporadic			
,	C. Sporadic	D.		P
,	The time of occurrence of cases of a disease constitute its		distribution.	В
,	The time of occurrence of cases of a disease constitute its A. Demography	В.	distribution. Temporal	B
0)	The time of occurrence of cases of a disease constitute its	В.	distribution.	В - С

	C. Spatial	D.	None of these	
92)	Subtraction of the risk for the non-exposed group from the ri			D
/	A. Attributable risk		Attributable rate	
	C. $\delta_{exp} = a / (a + b) - c / (c + d)$	-	All of these	
93)	It is results from systematic differences between characteristic			А
,,,	it was drawn	050	in the study population and the target population from which	11
	A. Selection bias	B.	Confounding	
	C. Misclassification		None of these	
94)	The degree to which a statistical model represents the data co			А
.,	A. Fit	1	Reliability	
	C. Homogeneity		Validity	
95)	If we calculated an effect size and found it was $r = .42$ which			С
- /	A. Small	-	Medium to large	-
	C. Medium to large		Large	
96)	What is the relationship between the sum of squared errors (S			В
,0)	A. $SS = s2/(n-1)$		n = (s2/SS) - 1	D
	C. $s2 = SS(n-1)$		$s^{2} = SS/(n-1)$	
97)	If we use the mean as a model, what does the variance represe			А
	A. The average error between the model and the observed	1	The total error between the model and the observed data	11
	data	р.	The total error between the moder and the observed data	
	C. The squared total error between the model and the	D	The square-rooted average error between the model and	
	observed data	Ρ.	the observed data	
98)	The branch of statistics which deals with the development of	nar		D
.0)	A. Industry Statistics	A	Mathematical statistics	D
	C. Economic Statistics		Applied statistics	
99)	The tools such decision making by nominal group, brainstorn		**	А
))	A. Behavioral tool		Serial tools	Α
	C. Parallel tools		Statistical tools	
100)	The model which consists of management philosophy, behavi			С
100)	in model which consists of management philosophy, benavi improvement is considered as	1014	i tools and statistical methods as key steps towards	C
	A. Serial improvement process model	R	Behavioral improvement process model	
	C. Quality improvement process model		Statistics improvement process model	
101)	Ability of an infectious agent to induce clinically apparent i			С
101)	A. Infectivity	-	Virulence	C
	C. Pathogenicity	D. D	None of the above	
102)	C. ratiogenerty The principal of 'at risk' approach is:	μ.		В
102)	A. Something for all	D	More for the needy	D
	C. All for some	_	All for all	
102)	C. All for some The aspect of epidemiology which deals with distribution of a			٨
103)	A. Descriptive			A
		_	Analytical	
104)	C. Experimental		Interventional	Л
104)	The type of epidemiological study which deals with identifying the study which deals with identifying the study of the stu	ng t	inderlying causes of disease and to test etiological	В
	hypothesis is:	h	A	
	A. Descriptive		Analytical	
105)	C. Experimental	Ρ.	None of the above	D
105)	The numerator is not component of denominator:	h	D. C.	В
	A. Rate	_	Ratio	
10.5	C. Proportion	μ.	None of the above	C
106)	Most useful single measure of mortality is:	F		С
	A. Case fatality rate	_	Crude death rate	
	C. Age specific death rate		Proportional mortality rate	
107)	In an outbreak of cholera in a village of 2000 population 20 c			D
	A. 1%		0.25%	
	C. 5%	D.	25%	

108) Tł	he number of deaths in people aged above 50 years as a percent	cen	tage of total deaths of all age groups is known as:	В
	A. Expectancy of life		Proportional mortality ratio	
	2. Mortality by cause		Crude death rate	-
	ge adjusted summary of current all causes mortality is:	<u> </u>		С
	A. Multivariate analysis	B.	Proportional mortality rate	-
	Life table		Regression technique standardization	
	Il are true of attack rate <i>except:</i>	_ ·		Α
	. It is a type of prevalence rate	B	Expressed as percentage	
		D.	Reflects extend of epidemic	
C	period of time	Γ.		
111) A	village with 2000 population was surveyed for 1 year and 1	0 v	vere found to be diseased. Assuming that the disease lasts	С
	or 2 years, prevalence is:			Ũ
	A. 20/1000	В.	30/1000	
	2. 10/1000	D.	50/1000	
	P indicates prevalence, I: incidence and D: duration of illne	-ss		Α
	pressed as:	,00,	then the relation between prevalence and merdence is	11
	$\mathbf{P} = \mathbf{I} \times \mathbf{D}$	B	$I = P \times D$	
	P = I/D		None of the above	
	revalence is useful:	μ.		Α
	. To identify potential high risk population	R	To control disease	Π
	2. For distribution of disease		Efficacy of preventive and therapeutic measure	
	Il are feature of point source epidemic <i>except</i> :	μ.	Efficacy of preventive and therapeutic measure	D
	A. Epidemic curve rises and falls rapidly	Ь	Epidemic tends to be explosive	
	2. Epidemic curve fises and fails rapidly		Epidemic continues over more than one incubation period	-
		μ.	Epidemic continues over more than one incubation period	
	"CHERNOBYL" tragedy is an example of:	Ь		A
	A. Point source epidemic		Propagated epidemic	-
	2. Modern epidemic	D.	Continuous epidemic	
	he following study gives incidence rate of a disease:	L .		A
	A. Longitudinal study		Experimental study	
	2. Randomized controlled trial		Case control study	
	ata about prevalence and distribution of illness and state of			В
	A. Longitudinal study		Cross sectional study	
	2. Double blind study	D.	Surveillance	
	nalytical studies are undertaken to:			С
	. Determine the occurrence and distribution of disease		Screening of new cases in the community	
	C. Test the etiological hypothesis		None of the above	
119) A	study conducted on babies born between 1st January 1970 t	o 3	1 st December 1970 would be:	А
	A. Retrospective	Β.	Prospective	
	C. Cohort study		None of the above	
120) In	epidemiological studies, important criterion for control gro	up	is that it should be:	С
A	A. Age and socioeconomic status matched	Β.	Equal in number	
С	2. That the factor to be studied should be absent	D.	That the factor to be studied should be present	
121) W	Thich of the following is not true about cohort study?			D
A	A. Prospective study	Β.	Type of analytical study	
	2. Study proceeds from cause to effect		Study is short-lived and technique is crude	
122) Al	Il the following can be obtained from prospective study exc	ept		В
· · · ·	A. Attributable risk		Prevalence rate	İ
	2. Relative risk	D.	Incidence rate	1
	andomization is:			С
· · ·	A. Mixing control with cases	B	Mixing different types of controls	
			Selecting characteristics of case group	1
	and control groups	Γ.	beteening enaracteristics of case group	
124) Гł	he likelihood of a causal relationship is increased by:	1	1	D
14- T / [1]	. Temporal association	1	Strength of association	

	C. Biological plausibility	D. All of the above	
	The first person becoming sick in an epidemic is called:	b. All of the above	C
23)	A. Index case	B. Contact case	
	C. Primary case	D. Secondary case	
26)	The first case to come to the attention of the investigator is:	D. Secondary case	A
20)	A. Index case	B. Primary case	Л
	C. Secondary case	D. Contact case	
27)	An agent with low pathogenicity and high infectivity would r		A
27)	All agent with low pathogenicity and high infectivity would I A. Carrier	B. Clinical case	A
	C. Epidemic	D. pandemic	
201	Carriers are more dangerous than cases because they:	D. pandenne	C
20)	A. Increase virulence	B. Increase duration of disease	
	C. Infect more people	D. More infectious	_
20)	C. Inflect more people Factor which influences ability of vector to transmit disease i		D
29)			
	A. Susceptibility	B. Infectivity	
20)	C. Domesticity	D. All of the above	
30)	Incubation period is useful to determine:		D
	A. Source of infection	B. Period of surveillance	_
	C. Prognosis of disease	D. All of the above	
31)	Interval between onset of primary and secondary case is calle		В
	A. Latent period	B. Serial interval	
	C. Generation time	D. Incubation period	
32)	Interval of time between receipt of infection by a host and ma		В
	A. Average incubation period	B. Generation time	
	C. Latent period	D. Communicable period	
33)	Secondary attack rate reflects:		В
	A. Severity	B. Communicability	
	C. Fatality	D. Infectivity	
34)	Prospective screening is done for:		В
	A. Case detection	B. Control of disease	
	C. Disability limitation	D. Prevention of disease	
35)	In a community, identification of high risk individuals for co		Α
	A. Selective screening	B. Surveillance	
	C. Tertiary prevention	D. Primary prevention	
36)	The best and the most economical method of screening for a	disease is:	А
	A. High risk screening	B. Multiphasic screening	
	C. Mass screening	D. Prospective screening	
37)	All are advantages of questionnaire method of data collectior	n except:	С
	A. Simple	B. Cheap	
	C. High response rate	D. Interviewer not required	
38)	Most satisfactory method of collecting is:		Α
	A. Oral questionnaires	B. Postal questionnaires	
	C. Results of experiments	D. First hand reports	
39)	The probability of a reading failing outside 95% confidence l		A
,,	A. 1 in 20	B. 1 in 15	
	C. 1 in 40	D. 1 in 30	
10)	Restriction of activities of a contact, who has been exposed to		В
.0)	period, is termed as:		
	A. Elimination	B. Quarantine	
	C. Surveillance	D. Control	-
11)	Which one of the following gives the strength of association		D
+1)	A. Prevalence rate		
	A. Frevalence rate	B. Case fatality rate	
	C. Adjusted rate	D. Incidence rate	

A. Historical cohort studies	В.	Cohort studies	
C. Case control	D.	Case report	
143) Difference in incidence rate of a disease between ex	posed group	and non-exposed group is:	А
A. Attributable risk	В.	Relative fraction	
C. Prevalence rate	D.	Odds ratio	
144) The branch of epidemiology which deals with the a brocedures:	nalysis of ob	servations using suitable diagnostic and statistical	C
A. Descriptive epidemiology	B	Experimental epidemiology	
C. Analytical epidemiology		Theoretical epidemiology	
145) The branch of epidemiology which deals with the o			А
A. Descriptive epidemiology		Experimental epidemiology	
C. Analytical epidemiology		Theoretical epidemiology	-
		of disease using mathematical 'models' that attempt to	D
simulate natural patterns of disease occurrence:	presentation	of abouse using manematical models and atempt to	D
A. Descriptive epidemiology	B.	Experimental epidemiology	
C. Analytical epidemiology		Theoretical epidemiology	
147) is a survey records events occurring at a part			А
A. Cross-sectional survey		Longitudinal survey	
C. Census		Retrospective survey	
148) is a survey records events over a period of t			В
A. Cross-sectional survey		Longitudinal survey	
C. Census		Retrospective survey	
		hity against the agent. It is concluded that vaccine prevent	С
COVID-19 in humans. Which kind of scientific cor			C
A. Deduction		Abduction	
C. Induction		None of these	-
150) A scientist hypothesized that "the helminths are the			
		sk of autoimmune diseases. The scientist rejects the	
hypothesis of scientific community. This kind of hy		eptance is the example of	
hypothesis of scientific community. This kind of hy A. Authority	pothesis acce		
A. Authority	pothesis acce B.	Intuition	-
A. Authority C. Tenacity	pothesis acce B. D.	Intuition scientific	C
A. Authority C. Tenacity	pothesis acce B. D.	Intuition	C
A. Authority C. Tenacity 151) One of the followings is an example of non-causa contortus	pothesis acce B. D. l association	Intuition scientific with the development of bottle jaw due to <i>Hemonchus</i>	C
A. Authority C. Tenacity 151) One of the followings is an example of non-causal	pothesis acce B. D. l association	Intuition scientific with the development of bottle jaw due to <i>Hemonchus</i> Positive association between the parasite and	C
A. Authority C. Tenacity 151) One of the followings is an example of non-causa contortus A. Positive association between the parasite and between th	pothesis acce B. D. I association	Intuition scientific with the development of bottle jaw due to <i>Hemonchus</i> Positive association between the parasite and hypoproteinemia	C
A. Authority C. Tenacity 151) One of the followings is an example of non-causa contortus	pothesis acce B. D. I association	Intuition scientific with the development of bottle jaw due to <i>Hemonchus</i> Positive association between the parasite and	C
A. Authority C. Tenacity 151) One of the followings is an example of non-causa contortus A. Positive association between the parasite and be contorted by the parasite and by the parasite and by the parasite and by the parasite and by th	pothesis acce B. D. I association ottle jaw B. and D.	Intuition scientific with the development of bottle jaw due to <i>Hemonchus</i> Positive association between the parasite and hypoproteinemia There is no association between hypoproteinemia and bottle jaw	C A
A. Authority C. Tenacity 151) One of the followings is an example of non-causa contortus A. Positive association between the parasite and be contorted by the parasite and by the parasite and by the parasite and by the parasite and by th	pothesis acce B. D. I association ottle jaw B. and D. e that had led	Intuition scientific with the development of bottle jaw due to <i>Hemonchus</i> Positive association between the parasite and hypoproteinemia There is no association between hypoproteinemia and bottle jaw to debilitation and reduced the immunity of the host.	-
A. Authority C. Tenacity 151) One of the followings is an example of non-causa contortus A. Positive association between the parasite and be C. Positive association between hypoproteinemia a bottle jaw 152) The cattle is suffering from Foot and Mouth disease	pothesis acce B. D. association ottle jaw B. and D. e that had led nd developed	Intuition scientific with the development of bottle jaw due to <i>Hemonchus</i> Positive association between the parasite and hypoproteinemia There is no association between hypoproteinemia and bottle jaw to debilitation and reduced the immunity of the host. hypoproteinemia/bottle jaw. In this case study,	-
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A. Authority C. Tenacity 151) One of the followings is an example of non-causa contortus A. Positive association between the parasite and box C. Positive association between hypoproteinemia a bottle jaw 152) The cattle is suffering from Foot and Mouth disease Following on, the patient got infected by Fasciola a compromised immune status and development of hyfollowings: A. Predisposing factor and necessary cause C. Predisposing factor and sufficient cause 153) The climate which comprises the normal component A. Macroclimate C. Terrestrial 154) Sensitivity is ability of a test to detect: A. True positives C. False positive 155) ff the cut off point in the interpretation of a test is ra A. Sensitivity decreases and specificity increases	pothesis acce B. D. I association ottle jaw B. and D. e that had led nd developed ypoproteinem B. D. ts of weather B. D. ts of weather B. D.	Intuition scientific with the development of bottle jaw due to <i>Hemonchus</i> Positive association between the parasite and hypoproteinemia There is no association between hypoproteinemia and bottle jaw to debilitation and reduced the immunity of the host. hypoproteinemia/bottle jaw. In this case study, ia due to fasciolosis is the example of one of the Precipitating factor and sufficient cause Enabling factor and necessary cause to which animals are exposed is: Microclimate None of these False negatives the following may occur: Sensitivity increases and specificity decreases Sensitivity and specificity both decreases	A

	C. Standard deviation	D.	Standard error	
157)	Which is not true of coefficient of correlation?			С
	A. Represented by symbol 'r'	B.	r = 0 indicates no correlation	
	C. r of 0.1 indicates strong positive correlation	D.	r near -1 indicates strong negative correlation	
158)	If we know the value of one variable in an individual case and	l wi	sh to know the value of another variable, we calculate:	В
	A. Coefficient of correlation	Β.	Coefficient of regression	
	C. Standard error of mean	D.	Geometric mean	
159)	More declining death rate and birth date tend to fall, the stage	is:		А
	A. Late expanding	Β.	Early expanding	
			Declining	
160)	In the definition of epidemiology, "determinants" generally in	clu	des:	D
	A. Agents	Β.	Causes	
	C. Risk factors	D.	All of the above	
161)	In the definition of epidemiology, "distribution" refers to:			В
	A. Who	Β.	When	
	C. Where	D.	Why	
162)	John Snow's investigation of cholera is considered a model for	or e	pidemiologic field investigations because it included a:	С
			Comparison of a health outcome among exposed and	
	A. Biologically plausible hypothesis	Β.	unexposed groups	
	C. Multivariate statistical model	D.	Spot map	
163)	When analyzing surveillance data by age, which of the follow	ing	age groups is preferred?	D
ŕ			5-year age groups	
			Depends on the disease	
164)	A study in which children are randomly assigned to receive			В
,	vaccine, and are followed to monitor for side effects and effec			
			Observational	
		D.	Case-control	
165)	The Iowa Women's Health Study, in which researchers enroll	ed	41,837 women in 1986 and collected exposure and lifestyle	С
	information to assess the relationship between these factors ar	nd s	ubsequent occurrence of cancer, is an example of which	
	ype(s) of study?			
		Β.	Observational	
	C. Cohort	D.	Case-control	
166)	British investigators conducted a study to compare measles-m	um	ps-rubella (MMR) vaccine history among 1,294 children	D
	with pervasive development disorder (e.g., autism and Asperg			
	They found no association.) This is an example of which type	e(s)	of study?	
	A. Experimental	Β.	Observational	
	C. Cohort	D.	Case-control	
167)	The epidemiologic triad of disease causation refers to	_		А
	A. Agent, host, environment		Time, place, person	
	C. Source, mode of transmission, susceptible host	D.	John Snow, Robert Koch, Kenneth Rothman	
168)	A reservoir of an infectious agent can be:			D
	A. A non-symptomatic human	Β.	The environment	
	C. An animal	D.	All of the above	
169)	Disease control measures are generally directed at which of th	le f	ollowing?	А
			Eliminating the vector	
	C. Eliminating the host	D.	Interrupting mode of transmission	
170)	A propagated epidemic is usually the result of what type of ex	po	sure?	D
	A. Point source	B.	Continuous common source	
	C. Intermittent common source	D.	Person-to-person	
171)	What are focus areas of nutritional epidemiology?			С
		B.	How changes in food intake in the population can promote	
	population.		good health.	
	C. Both	D.	None	
172)	In an epidemiological context, what is the population at risk?			В

	e proportion of a population that engage in risky haviours.		The group of people that may experience the outcome we want to study.	
C. Ag	group of people participating in a study that may be rmful to them.	D.	The population group with the highest relative risk of disease.	
	h one of the following circumstances will the prevalence			В
A. If t	he incidence rate of the disease falls.	Β.	If survival time with the disease increases.	
C. If r	recovery of the disease is faster.		If the population in which the disease is measured increases	
174) Which	of the following statements about exposures is true?			А
A. Exp		В.	An exposed individual has a greater risk of disease.	
C. Die			High body mass index is a risk factor for a range of health conditions, therefore, it cannot be treated as a single exposure.	
175) Epidem	niological measures of effect assess the betwe	en a	an exposure and an outcome.	С
A. stre	ength of the causal mechanisms	Β.	strength of the reversibility	
C. stre	ength of the association	D.	strength of a confounding factor	
176) [t is pos	ssible to reduce (though not eliminate) information bias	s in	assessment of dietary intake by	В
peo	ople's dietary habits		collecting data about dietary intake at the onset of a study, before people have experienced symptoms of disease.	
			making sure that the study sample is representative of the population.	
	hort study, the risk ratio of developing diabetes was 0.8 d not drink tea (the unexposed). Which one statement i		when comparing consumers of tea (the exposed) to those orrect?	С
A. he	tea drinkers have lower risk of developing diabetes.	B.	The tea drinkers have higher risk of developing diabetes	
	sed on the information given we cannot tell if the served difference in disease risk is the result of chance.		The risk ratio is close to the value one, so there is no difference in disease risk between the two groups.	
	epidemiologists judge the evidence to establish possible			D
			Evidence that the exposure of interest has appeared before	
	posure and the outcome.		the outcome.	
		D.	All of the options given	
	ll reverse the risk of the outcome			
179) Randor	mised, controlled trials provide strong evidence that an ure). One reason is because	obs	served effect is due to the intervention (the assigned	А
A. wh	,	B	it is easier to measure the outcome variable with great	
cha	aracteristics and possible confounding factors are ely to be evenly distributed in the groups		precision in randomised, controlled trials compared to in other study designs.	
			he study participants are volunteers and therefore	
	ne time.		motivated to take part in the study.	
	inding is a particular challenge in nutritional epidemiol			D
		B.	it is difficult to measure people's diets accurately in large studies.	
	e are no good methods to adjust for confounding in tritional studies.	D.	different dietary components are correlated with each other, making it difficult to separate their effects.	
181) An invo			r ongoing solar exposure, and relate that to the subsequent	С
		B.	Ecological study	
			Cross-sectional study	
	of the following is an advantage of a case-control study			D
			Dependence on recall by subjects in the study minimized.	-
C It is	s possible to determine the true incidence of the		It may be used to study etiology of a rare disease.	
	an geographical information system (GIS) help disease	00	ntrol? Choose the incorrect answer	А
1007 110 11 00		-01		••

	A. It can specify the high risk age group.	Β.	It can help us hypothesize possible risk factors.	
	C. It can evaluate the accessibility to the health service.	D.	It can specify the place for targeted control.	
184)	The mode of transport of an infectous agent through the envir	onr	nent to a susceptible host is called a:	D
	A. Carrier	Β.	Reservoir	
	C. Vector	D.	Vehicle	
185)				С
/		B.	Cross-sectional study	-
			·	
186)				А
100)	C. [It can evaluate the accessibility to the health service. D. It can specify the place for targeted control. 44) The mode of transport of an infectous agent through the environment to a susceptible host is called a: I 45) A. Carrier D. Vector D. Vector 45) A longitudinal or prospective study is also referred to as a: C. C. 45) A longitudinal or prospective study is also referred to as a: C. C. 45) C. Cohotr study D. (Observational study C. 46. Outbreak B. Epidemic C. 47. Outbreak B. Epidemic C. 48. No nas: B. Epidemic C. 49. The proportion of a population that engage in risky B. The proportion of a population that engage in risky B. Phyperendemic 40. The proportion of a nopulation that engage in risky B. The proportion of a nopulation that engage in risky C. A. Charace and the engage in risky B. The proportion of a nopulation traick 40. Cumulative Incidence B. Incidence Rate C. Person Time Rate Phyperendimic Phyperendimic 41. Cumulative Incidence <td< td=""><td></td></td<>			
		В.		
		D.	Hyperendemic	
187)	In an epidemiological context, what is the population at risk?	-		В
		В.	The group of people that may experience the outcome we	
	C. A group of people participating in a study that may be	D.	The population group with the highest relative risk of	
188)	The proportion of an initially disease-free population that de	evel	ops disease refers to:	А
	A Cumulative Incidence	R	Incidence Rate	
180)				D
109)				D
	diagnoses are made. It rocuses on one of more symptoms rati	nei	than a physician-diagnosed of laboratory-committed disease	
		-		
		В.		
		D.		
190)		iga	te an association between two variables by analyzing	В
191)	What are the Components of meta-analysis in a trails design c	of ra	andomization?	С
	C. Statistical power and primary end points	D.	Experimental and theoretical	
192)	Number of individuals die in a particular time from number of	f in	dividuals in population at the beginning of that period	D
	refers to:			
	A. Case fatality rate	Β.	Incidence	
	C. Survival percentage	D.	Cumulative mortality	
193)				D
, í				
194)		- -		А
171)		R	A high-level disease is present continuously in the	11
	r. Sudden and anpredictusic increase of discuse	Γ.		
	C Constant presence of a disease in population	Ь		
195)				С
175)				C
106)				٨
190)				A
		-		
107				
197)		10%	y, more or less constant, frequency are classified as having a	В
		L		
	C. Pandemic	D.	Transmission	

198)) The proportion of disease among the total population that would be eliminated if the exposure were eliminated is known as				
	A.	Attributable proportion among the total population	Β.	Attributable proportion among the exposed	
	C.	Relative measures of comparison among population	D.	Absolute measures of comparison among population	
199)	Wh	ich of the following tool is used to measure the strength of	f an	association during epidemiological investigations?	С
	Α.	Prevalence or Proportion	Β.	Incidence or Death Rate	
	C.	Risk or Odds Ratio	D.	Trends over Time Cohort	
		e of the following is mostly active and is used to find addit			А
	includes finding and interviewing individuals that contracted the disease to detect commonalities				
	A.	Outbreak Surveillance	Β.	Risk Factor Surveillance	
	C.	Sentinel Surveillance	D.	Syndromic Surveillance	

	Subject: Preventive and Community Me	edicine MCQ's 201-350	Answ er Key
201)	Rabies is caused by		
	A. lyssaviruses	B. Adeno virus	А
	C. Aptho virus	D. Herpes virus	
202)	Anthrax is caused by		С
	A. Escherichia coli	B. Actinomyces bovis	
	C. Bacillus anthracis	D. Staph aureus	
203)	Which is not a reservoir of rabies		D
ĺ ĺ	A. Bat	B. Rodents	
	C. Fox	D. Bison	
204)	Forms of rabies		С
201)	A. 1	В. 3	0
	C. 2	D. 4	
205)	Causative agent of rabies is		А
203)	A. Neurotropic	B. Myotropic	
	C. Nephrotropic	D. Epitheliotropic	
20()		D. Epimenouopic	
206)	Causative agent of rabies is a		A
	A. Virus	B. Fungus	
	C. Parasite	D. Bacteria	
207)	Causative agent of antharax is		D
	A. Comma shaped	B. Coccus	
	C. Spirochete	D. Rod shaped	
208)	Causative agent of bubonic plague		С
	A. Herpes virus	B. Bacillus anthracis	
	C. Yersinia pestis	D. Borrelia burgdorferi	
209)	Vector for Yersinia pestis		А
	A. Xenopsylla cheopis	B. Ixodex tick	
	C. Ctenocephalides canis	D. Argus tick	
210)	Vector of black death resides on		А
ŕ	A. Skin	B. Brain	
	C. Gut	D. Muscles	
211)	Black death is caused by		С
	A. Virus	B. Nematode	
	C. Bacteria	D. Protozoa	
212)	Types of plague based on clinical manifestations	D. 1 100020W	D
212)	A. Bubonic	B. Enteric	
	C. Toxcemic	D. Both a , b & c	
213)	Negri bodies are seen histologically in		D
213)	A. Anthrax	B. Salmonellosis	D
	C. Cyanide toxicity	D. Rabies	
214)	Which is not a zoonotic disease	D. Rables	
214)			A
	A. FMD	B. Anthrax	
015	C. Ebola virus	D. Tuberculosis	
215)	Bovine Tuberculosis is caused by		Α
	A. Mycobacterium tuberculosis	B. Mycobacterium bovis	
	C. Mycobacterium ovis	D. Mycoplasma gallinarum	
216)	Infection of anthrax can enter the body by		D
	A. Ingestion	B. Direct contact	
1	C. Inhalation	D. All of Above	

217)	In humans there are main forms of anthrax		С
,	A. 2	B. 4	
	C. 3	D. 5	
218)	Mad cow disease is caused by		D
,	A. Viruses	B. Protozoa	
	C. Bacteria	D. Proteins	
219)	Mycobacteria are		В
	A. Gram +ive	B. Acid-fast	2
	C. Gram -ive	D. None of these	
220)	Bangs disease is caused by		А
,	A. Brucella species	B. Mycoplasma species	
	C. Clostridial species	D. None of these	
221)	Brucellosis is also called		D
221)	A. Malta fever	B. Undulant fever	
	C. Bangs disease	D. All of above	
222)		trimester	С
222)	A. 1st	B. 2 nd	C
	C. 3 rd	D. At any time in guestation	
223)	C. D The brucella is an organism	p. At any time in guestation	А
223)	A. Intracellular	B. Both	A
	C. Extracellular	D. None	
224)	Human infection with brucellosis is most serious who		•
224)	A. B. melitensis	B. B. abortus	A
	C. B.bovis	D. B. canis	
225)	C. B.DOVIS Brucellosis is transferred	D. B. cams	
225)			A
	A. Horizontally	B. Both	
22.6	C. Vertically	D. None	
226)	Escherichia coli is in the family		В
	A. actinomycetaceae	B. Enterobacteriaceae	
227	C. Bacillacae	D. Clostridiaceae	
227)	Transmission of <i>E. coli</i> O157:H7 occurs through		D
	A. consumption of contaminated food or water	B. direct contact with infected animals	
	C. their feces or contaminated soil	D. All of above	
228)	Leptospira is shaped		A
	A. Spiral	B. Comma	
	C. Rod	D. Coccus	
229)	Red urine is a characteristic of		D
	A. Leptospirosis	B. Pp hb	
	C. Babesiasis	D. All of above	
230)	Leptospires reside in the of infected reservoir hosts		D
	A. Kidneys	B. Heart	
	C. Brain	D. None of these	
231)	Methicillin-resistant Staphylococcus aureus (MRSA) a		A
	A. Gram-positive	B. Acid fast	
	C. Gram-negative	D. None of these	
232)	Q fever is a highly contagious zoonotic disease caused	by	С
	A. B.bovis	B. Mycoplasma gallinarum	
	C. Coxiella burnetii	D. Escherichia coli	
233)	Coxiella burnetii, causative agent of Q fever, is an	bacterium.	D
,	A. Obligate extracellular	B. Extracellular	
	C. Facultative extracellular	D. obligate intracellular	
234)	Salmonella bacteria are classified into over	different serovars based on surface proteins.	В
, í	A. 200	B. 2500	
1	C. 500	D. 1500	

235)	Toxoplasmosis is caused by in cat		А
233)	A. Toxoplasma gondii	B. Toxoplasma colubri	A
	C. Toxoplasma hammondi	D. Toxoplasma ranae	
236)	Toxoplasmosis is caused by	D. Toxophasina ranae	В
230)	A. Virus	B. Protozoa	D
	C. Bacteria	D. Fungus	
237)	Bartonellosis is transmitted by	p. i ungus	А
237)	A. bloodsucking arthropods	B. Millipedes	A
	C. Crustaceans	D. Centipedes	
238)	In humans bortenella causes	p. centipedes	A
230)	A. Cat scratch disease	B. Malaria	Λ
	C. Dengue fever	D. None of these	
239)	Toxocara cati is a	D. None of these	Α
239)	A. Nematode	B. Cestode	A
	C. Trematode		
240)		D. Arthopode	•
240)	Cryptosporidial infection is basically		A
	A. Water borne	B. Vertical	
2.11	C. Venereal	D. None	
241)	mosquitoes are the main transmitters Jap		A
	A. Culex	B. Aedes	
	C. Anopheles	D. All of above	
242)	Louping ill is caused by an infection		D
	A. Aptho virus	B. Lyssa virus	
	C. Herpes virus	D. Arbovirus	
243)	In humans Approximately 95% of all cases represent	anthrax	A
	A. Cutaneous	B. Orophangeal	
	C. Intestinal	D. None of these	
244)	Lyme disease is caused by in humans		D
	A. B. anserina	B. B. coriaceae	
	C. B. theileri	D. B. burgdorferi	
245)	Lyme disease is transmitted by		C
	A. Dermacentar	B. Amblyomma	
	C. Ixodex	D. Argus	
246)	Camphylobacter specie leading to abortion in human fer	nale	С
	A. C. jejuni	B. C. fetus	
	C. C. lari	D. C. coli	
247)	Ornithosis is caused by		А
	A. C. psittaci	B. M. pneumoniae	
	C. C. burnetii	D. Legionella	
248)	Which protozoal disease is transmitted to humans		D
,	A. Anaplsmosis	B. Amoebiasis	
	C. Giardiasis	D. All of above	
249)	Bloody dirrohea in e. coli infection in due to		В
- /	A. Enterotoxic	B. Enterohemmoragic	
	C. Enteroinvasive	D. Enteropathogenic	
250)	Shiga toxin is produced by	p. Enteropunogenie	A
	A. E.coli	B. B. burgdorferi	
	C. Toxoplasma gondii	D. Staph aureus	
251)	Farcy is caused by	թ. թարո սուսս	В
231)	A. Toxoplasma gondii	B. Burkholderia mallei	
	C. Staph aureus	D. C. psittaci	
2522		p. p . p situati	В
252)	Farcy is other name of	D. Clandara	В
	A. Strangles	B. Glanders	
1	C. Tetnus	D. Pneumonia	

253)	Fetnus is caused by		А
,	A. C. tetni	B. C.perferingens	
	C. C. botulinum	D. C. difficle	
254)	Botulism is caused by		D
	A. C. tetani	B. C.perferingens	
	C. C. difficle	D. C. botulinum	
255)	Circling disease is caused by		А
-00)	A. Listeria monocytogenes	B. C.perferingens	
	C. Toxoplasma gondii	D. Staph aureus	
256)	Clinical forms of plague		D
_00)	A. bubonic	B. pneumonic	
	C. septicemic	D. All of these	
257)	Fularemia is a plague-like contagious disease c		А
237)	A. Francisella tularensis	B. C. difficle	
	C. Toxoplasma gondii	D. Staph aureus	
258)	Severe mucoid blood-tinged diarrhea with spa	asms colics and tenesmus develop due to	А
238)	A. E. histolytica	B. C. tetni	
	C. M. pneumoniae	D. H. pylori	
259)	Which is a zoonotic disease	<i>b</i> . In pyton	А
2077	A. Babesia	B. FMD	
	C. Theleria	D. All of these	
260)	Babesia is transmitted by	b. Thi of these	А
200)	A. Tick	B. Mosquito	
	C. Fly	D. Bitting midges	
261)	Balantidiasis, caused by the ciliate	p. bitting integes	А
201)	A. Balantidium coli	B. Toxoplasma gondii	A
	C. Staph aureus	D. H. pylori	
262)	Chagas' disease is caused by		А
202)	A. Trypanosoma cruzi	B. Both	A
	C. Trypanosoma evansi	D. None	
263)	LAMBLIASIS is other name of	p. prone	А
203)	A. Giardiasis	B. Anplasmosis	A
	C. Trypanosomiasis	D. Babesiosis	
264)	LAMBLIASIS is caused by	D. Babesiosis	D
204)	A. Giardia duodenalis	B. G. intestinalis	D
	C. G. lamblia	D. All of these	
2(5)		D. All of these	
265)	Malaria is caused by		A
	A. Plasmodium C. Babesia	B. Theleria	
2(()		D. Trypanosoma	
266)	Causative agent of rabies is shaped		A
	A. Bullet shaped	B. Hexagomal	
0(7)	C. Round	D. None	D
267)	Incubation period of rabies is		В
	A. 1 day	B. Days to years	
9.60	C. 7 day7	D. 10day7	
268)	Toxin of C.botulinum are		A
	A. Heat stable	B. Both	
0.00	C. Heat labile	D. None	
269)	Tuberclin test is diagnostic tool for	h ma	Α
	A. TB	B. FMD	
	C. RVF	D. BEF	
270)	Glanders is diagnosed by		В
	A. Tuberclin	B. Mallein test	
	C. RBPT	D. None	

271)	Diagnostic test for malta fever		А
271)	A. RBPT	B. LDH	Л
	C. AGPT	D. ALL of these	
272)	Hydayed cyst is caused by	D. ALL of these	С
212)	A. Nematode	B. Trematode	C
	C. Cestode	D. None	
273)	Clostridia are	D. INORE	А
213)	A. Gram positive	B. Acid fast	Λ
	C. Gtam negative	D. None	
274)	Which one is not zoonotic	D. INOIR	D
274)	A. Ebola virus	B. SARS-COV	D
	C. Henta virus	D. All of these	
275)	Maximum number of reported diseases caused by	D. All of these	А
213)	A. Yersia pestis	B. Mycoplasma	Л
	C. Borellia insenrina	D. Mucobacterium	
276)	This nucleic acid is found in hepatitis B virus	D. Mucobacterium	D
270)	A. dsRNA	B. ssDNA	D
	C. ssRNA	D. dsDNA	
277)	Hepatitis G virus is from the family	D. USDINA	С
211)	Hepatius & virus is from the family		C
	A. Coronaviridae	B. Hepadnaviridae	
		*	
	C. Flaviviridae	D. Caliciviridae	
278)	This Hepatitis virus is not an RNA virus	1 1	C
	A. Hepatitis G virus	B. Hepatitis E virus	
	C. Hepatitis B virus	D. Hepatitis A virus	
279)	This form of Hepatitis could be passed via contamin		A
	A. A and E	B. C	
	C. B	D. All of these	
280)	This can cause Hepatitis		D
	A. Improper immune system	B. Alcohol and medicines	
	C. Viruses	D. All of these	
281)	The most reliable detection test for Hepatitis E is		В
	A. ELISA test	B. Polymerase chain reaction	
	C. Western blot assay	D. ELISA test for IgM anti-HEV	
282)	This agent represents an isolate of Hepatitis G virus	1 1	A
	A. GBV-C	B. GBV-B	
	C. GBV-A	D. None of these	
283)	This organ is majorly affected by hepatitis	1 1	A
	A. Liver	B. Heart	
	C. Kidney	D. Brain	
284)	In a sample of blood, doctors look for which of these		С
	A. Interferons	B. Calcium	
	C. Liver enzyme	D. White blood cells	
285)	The purpose is to limit the incidence of disease by co		В
	A. Primordial prevention B. Primary prevention		
	C. Secondary prevention	D. Tertiary prevention	
286)	The property of a test to identify the proportion of tr		A
	A. Sensitivity	B. Specificity	
	C. Positive predictive value	D. Negative predictive value	
287)	The probability of a persons having the disease when		С
	A. Sensitivity	B. Specificity	
	C. Positive predictive value	D. Negative predictive value	
288)	The extent to which a test is measuring what it is into	ended to measure	D

	A. Sensitivity	B. Specificity	
	C. Reliability	D. Validity	1
289)	A study that measures the number of persons with influenza in		С
,	A. Cohort study	B. Case control	
	C. Cross sectional	D. Case report	
290)	Stage by which the presence of factors favors the occurrence		А
	A. Stage of susceptibility	B. Stage of pre-symptomatic disease	
	C. Stage of clinical disease	D. Stage of disability	
291)	Modes of horizontal transmission of disease, except		D
	A. Contact	B. Vector	
	C. Common Vehicle	D. Genetic	
292)		rson when a large proportion of the members of the group are	C
	A. Active immunity	B. Passive immunity	
	C. Herd immunity	D. Specific immunity	
293)	Occurrence in the community of a number of cases of disease		В
275)	A. Endemic	B. Epidemic	D D
	C. Pandemic	D. Infection	
294)	Measures of central tendency, except	p. Intection	D
294)		B. Median	D
	A. Mean C. Mode	D. Variance	
205)			С
295)	Range of values surrounding the estimate which has a specifie		C
	A. Standard deviation	B. Standard error	
20.0	C. Confidence interval	D. Correlation coefficient	
296)	The probability of rejecting the null hypothesis when it is true		A
	A. Type 1 error	B. Type 2 error	-
	C. Power of a statistical test	D. Level of significance	
297)	The following are measures of disease frequency, except		D
	A. Incidence rate	B. Prevalence	
	C. Cumulative incidence	D. Relative risk	
298)	The proportion of cases of a specified disease or condition wh	*	В
	A. Morbidity rate	B. Case fatality rate	-
	C. Proportionate mortality	D. Death rate	
299)	The relation between exposure and disease is considered to be		D
	A. Dose response relation	B. Cessation of exposure	
	C. Temporal relation	D. No confounding	
300)	A study that measures the incidence of a disease		D
	A. Case report	B. Cross sectional	
	C. Case control	D. Cohort	
301)	A study wherein bias is less likely to occur		D
	A. Case report	B. Cross sectional	
	C. Case control	D. Cohort	
302)	The proportion of disease incidence that can be attributed to a	a specific exposure	С
	A. Relative risk	B. Odds ratio	
	C. Attributable risk	D. Potential risk	
303)	Recall is an example of what type of bias		В
,	A. Selection bias	B. Information bias	
	C. Confounding	D. Systematic	
304)	Type of design where both exposure and disease are determin		В
,	A. Case study	B. Cross sectional study	1
	C. Case control study	D. Cohort study	1
305)			В
305)	A study is conducted to determine the proportion of persons in A. Case study		В

306)	Randomization is the best approach in designing a clinical trial	in order to	В
,		. Achieve unpredictability	
		Limit confounding	
307)	Type of sampling whereby subjects are assigned according to a	factor that would influence the outcome of a study	С
	A. Simple random sampling B	. Systematic sampling	
		. Cluster sampling	
308)	The extent to which a specific health care treatment, service, pro-	ocedure, program, or other intervention produces a beneficial	В
	result under ideal controlled conditions is its		
		. Efficacy	
	C. Efficiency	. Effect modification	
309)	Leading cause of Diarrheal disease	1	С
		. Salmonella (non-typhoid)	_
	C. Rotavirus	. Campylobacter jejuni	
310)	Mammography should be done annually in women of what age		Α
	A. 50 years old and above		_
	C. 45 years old and above	. 30 years old and above	
311)	Mycobacteria are acid-fast positive bacteria because of		D
		. Mycolic acid in the bacterial cell wall	
		Both B and C options above	
312)	APGAR family assessment is interpreted by means of		А
		. Comparing with a standard table	
		Consultation with a family psychologist	
313)	Which of the following first-line antibiotics are usually resistan		В
		Isoniazid and Rifampin	
		Rifampin and streptomycin	
314)	What is the mechanism responsible for antibiotic resistance in <i>M. tuberculosis</i> ?		
		Alterations in beta-lactamase	
		Alterations in RNA polymerase	
315)	All of the following are examples of selective media used for th		D
		. Middlebrook 7H10/7H11 media with antibiotics	
		. Middlebrook 7H10 media without antibiotics	
316)	Which of the following pathogen has the shorter incubation per		D
		. Mycobacterium avium complex	
	C. Mycobacterium leprae	. Mycobacterium fortuitum	
317)	All of the following are the symptoms of pulmonary tuberculos	is, EXCEPT?	В
		. Decreased body temperature	
		. Severe prolonged cough with sputum or blood	
318)	Which of the following bacteria causes lung infection and is the	most common non-tuberculous mycobacterial infection	Α
	associated with AIDS patients?		
	A. <i>Mycobacterium avium</i> complex	. Mycobacterium leprae	
	C. Mycobacterium gordonae	. Mycobacterium gastri	
319)	All of the given are the distinguishing characteristics of Mycoba		С
		. It cannot be isolated in-vitro culture method	
		. It can be isolated by only in-vivo culture method	
320)	Which one of the following acid-fast rod bacilli can take up to t	en years for its growth in host cells and causes skin	В
	infections?		
		. Mycobacterium leprae	1
		. Nocardia spp	
321)	Other than Mycobacterium tuberculosis which of the following		С
	ransmitted to humans by consumption of milk and other anima		
		. Mycobacterium leprae	1
		. Mycobacterium abscessus	
322)	The treatment regimen for initial therapy of tuberculosis cause		D
	A. Streptomycin and rifampin B	Isoniazid, and ethambutol	

	C. Rifampin, and ciprofloxacin	Isoniazid, rifampin, pyrazinamide, and ethambutol	
323)	From the above question (17), which of the following is the corr		D
323)	pathogen?	ect disease term related to the infection caused by the	D
		Leprosy	
		Bairnsdale ulcer	
324)	All of the following are the rapid and confirmatory staining tech		С
324)		Fluorochrome stain	C
		Kinyoun method	
325)	The nitrate reduction test is one of the primary biochemical	5	•
323)			А
	biochemical test is useful in the identification of lipase product A. Tween 80 hydrolysis test B.	Neutral red test	
		Bile esculin test	
326)	The concept of Social Medicine was first introduced by	. Dhe escumi test	٨
520)		Pohart Grotiahr	А
		Robert Grotjahrr Rene sand	
207)		. Kene sand	D
327)	Rules of Sanitation in UK is proposed by		В
		Chadwick	
220)		John Howard	q
328)	Best method for collecting vital statistics in India		С
		Passive surveillance	
220)		Contact tracing	a
329)	Surveillance by WHO is not done for		С
		Malaria	
2202		Relapsing fever	~
330)	Which one of the following branches of Sociology studies the re		С
		Social physiology	
		Social pathology	-
331)	Primordial prevention is the		D
1		Human life span to the maximum extent	
		Decreasing risk factors	
332)	What is the definition of society		С
		Social relationship between families	
		Relationship of family and the country	
333)	Which of the following is tertiary level of prevention		D
		Specific protection	
		Disability limitation	
334)	All of the following require surveillance according to WHO exce		А
		Yellow fever	
		Rabies	
335)	PQLI includes all except		В
		Per capita GNP	
		. Life expectancy at 1 yr	
336)	In a country, socio economic progress is best indicated by		С
	A. Gross net production B.	IMR	
	C. Annual per capital income of the family D.	. Death rate	
337)	VftA Prophylaxis in 3-6 years children is an example of		В
		Specific protection	
		Disability limitation	
338)	Prophylactic administration of Vitamin A in a child is		С
	A. Health promotion B.	Treatment	
		Rehabilitation	
339)	The period of pathogenesis is the period		В
,		Entry of disease-causing agent	
		. Onset of disease in man	

340)	The current concept of health promotion and the relat	ted activities lead to	В
	A. Better treatment of a problem	B. Critical awareness and lifestyle changes	
	C. Adoption of prophylactic services	D. Better health services usage	
341)	Disease rate is		В
	A. Risk of susceptibility	B. Usually expressed as percentage	
	C. Time period in a calendar year	D. Disease occurrence in a specified time period	
342)	The measure used to express the global burden of dise	ease, i. e. how a healthy life is affected by disease is	А
	A. Disability - Adjusted life year	B. Case fatality rate	
	C. Life Expectancy	D. Age- Specific incidence rate	
343)	Leprosy and tuberculosis are best prevented by		В
	A. Chemoprophylaxis	B. Early diagnosis and treatment	
	C. Influenza	D. Immuno-prophylaxis	
344)	All show iceberg phenomenon except		D
	A. Influenza	B. Polio	
	C. Hepatitis	D. Chicken pox	
345)	Provision of carotene - rich diet in order to prevent xerophthalmia is a measure under		В
	A. Health promotion	B. Specific protection	
	C. Early diagnosis and treatment	D. Rehabilitation	
346)	The concept of Levels of Prevention" aims at		D
	A. Ascertaining the prognosis of a disease	B. Eradication of a disease	
	C. Preventing epidemics	D. Intervening history of a disease	
347)	The disease which is known as "Father of public heal		D
	A. Smallpox	B. Rabies	
	C. Plague	D. Cholera	
348)		ation' definition of health given. Which of them is not a critics	C
	A. Health is considered a state responsibility	B. No satisfactory definition of well being	
	C. Standards of 'positive' health	D. Utopic rather than realistic goal	
349)	Provision of free medical care to the people at govern		C
	A. State medicine	B. Social therapy	
	C. Social medicine	D. Social insurance program	
350)	Longitudinal Studies are	· · ·	А
Í	A. Are easy to conduct	B. Can detect only one risk factor	
	C. Can find out incidence of disease	D. Have increased bias	
L		P · 1 ····	

	Subject: Public Health Parasitology MC	CQ'	s (351-450)	Answer Key
351)	Pigs or dogs are the source of human infection by each of the	ne f	ollowing parasites EXCEPT:	В
	A. Echinococcus granulosus	Β.	Ascaris lumbricoides	
	C. Taenia solium	D.	Trichinella spiralis	
352)	Each of the following statements concerning hookworm inf	ecti	on is correct EXCEPT:	D
	A. Hookworm infection is caused by Necator americanus.	Β.	Hookworm infection can cause anemia.	
	C. Hookworm infection is acquired by humans when	D.	Hookworm infection can be diagnosed by finding the	
	filariform larvae penetrate the skin.		trophozoite in the stool	
353)	Each of the following statements concerning trichinosis is co	rrec	t EXCEPT:	D
	biopsy specimens.	Β.	Trichinosis is acquired by eating undercooked pork.	
	C. Eosinophilia is a prominent finding.	D.	Trichinosis is caused by a protozoan that has both a	
254		1	trophozoite and a cyst stage in its life cycle.	
354)	Each of the following parasites passes through the lung durin	g h	uman infection EXCEPT:	A
	A. Wuchereria bancrofti		Strongyloides stercoralis	
	C. Ascaris lumbricoides	D.	Necator americanus	
355)	In malaria, the form of plasmodia that is transmitted from mo			А
	A. Sporozoite	Β.	Merozoite	
	C. Gametocyte	D.	Hypnozoite	
356)	Factors influencing prevalence of parasites include			D
,	A. resurgence in vector population	Β.	poverty and lack of safe drinking	
	C. climate change		All of these	
357)	The parasite Sarcocystis suihominis is prevalent			С
	A. Dog	Β.	Cat	
	C. Pig		All of these	
358)	Which one is an emerging water-borne protozoan disease of			A
	A. Cryptosporidiosis		Toxocariasis	
	C. Taeniasis		None of these	
359)	Which one is the important vector borne protozoan zoonotic			D
557)	A. African trypanosomiasis		Chagas disease	
	C. leishmaniasis		All of these	
360)	Leishmaniasis has been reported from more thancoun			В
500)	A. 60%		80%	D
	C. 70%	D.	50%	
261)		μ.	50%	C
501)	Common name for the African trypanosomiasis is	Ь	alegning sightees	С
	A. Nagana		sleeping sickness	
	C. Both A and B	μ.	None of these	
362)	In Babesiosis death generally occurs due to	Ъ		D
	A. cardiac failure		hepatic insufficiency	
	C. renal insufficiency		All of these	~
363)	The wild rodent P. leucopus acts as an important reservoir for			C
	A. Babesia microti		Babesia divergens	
	C. All of these		None of these	
364)	The preliminary diagnosis of Babesiosis can be done from cli			
	A. Fever		High fever with haemoglobinuria	
	C. Haemoglobinuria	D.	None of these	
365)	Common Name of Balantidiosis is			А
	A. Ciliary dysentery	Β.	A and B	
	C. Amoebic dysentery	D.	None of these	
366)	Which one is zoonotic			D

	A. Babesiosis	B. Theileriosis	
	C. Anaplasmosis	D. All of these	
367)	Among arthropods, which one considered second	in terms of their importance to public health	С
	A. Mosquitoes	B. House fly	
	C. Tick	D. Bugs	
368)	Which one is the most important fish-borne zoono	ses prevalent in East Asia	С
	A. Schistosoma mansoni	B. Gastrodiscus hominis	
	C. Clonorchis sinensis	D. eterophes heterophes	
369)	Which food producing animal act as intermediate	hosts for Echinococcus granulosus	D
	A. Cattle	B. Sheep	
	C. pig	D. A and B	
370)	Transmission of T. gondii occur by		D
	A. FOOD	B. Water	
	C. Handling raw meat	D. All of these	
371)	Ingestion of contaminated meat from which warm	-blooded animal can transmit toxoplasmosis	А
	A. Pig, lamb and chicken	B. Dogs and cats	
	C. Camel and horse	D. Cattle	
372)	A parasitic disease spread between animals and pe	ople is called	А
	A. Parasitic zoonosis	B. Protozoonoses	
	C. Cyclozoonoses	D. None of these	
373)	Man is the host of Echinococcus granulosus		С
	A. Final Host	B. Paratinic host	
	C. Accidental Host	D. Intermediate Host	
374)	Intermediate host for Taenia saginata is		В
, i	A. Pig	B. Cattle	
	C. Dog	D. Man	
375)	Man is the host of Taenia saginata		А
ŕ	A. Final Host	B. Paratinic host	
	C. Accidental Host	D. Intermediate Host	
376)	Neurocysticercosis is a preventable parasitic infec	tion caused by larval cysts of	А
	A. Pork Tapeworm	B. Beef Tapeworm	
	C. Pin Tapeworm	D. Dog Tapeworm	
377)	The important cestodes transmitted through food a	nd water includes	D
	A. T. solium	B. D. latum	
	C. E. granulosus	D. All of these	
378)	The definitive host for T. multiceps		D
	A. Cat	B. Man	
	C. Pig	D. Dog	
379)	The parasite that make cyst in different part of hu		D
/	A. T. solium	B. Beef Tapeworm	
	C. Pork Tapeworm	D. All of these	
380)	All are the species of Taenia Except		D
	A. T. solium	B. Taenia saginata	
	C. T. multiceps	D. T. canis	
381)	The Example of Fish borne Zonnosis is		A
001)	A. Diphyllobothrium latum	B. Toxoplasma gondii	
	C. Toxocara canis	D. All of these	
382)	Diphyllobothrium latum causes megaloblastic ana		В
	A. A12	B. B12	
	C. C	D. D.	
383)			D
565)	A. Pork Tapeworm	B. Beef Tapeworm	
	C. Pin Tapeworm	D. Dog Tapeworm	

	A. Lungs	B. Kid	Iney	
	C. Eye	D. A ai	nd B	
385)	The disease occurs due to metacestode of E. granulosus is			Α
	A. Cystic echinococcosis	B. Alv	veolar echinococcosis	
	C. A and B	D. All	of these	
386)	Alveolar echinococcosis is caused by			В
	A. E. granulosus	B. E. n	nultilocularis	
	C. A and B	D. Non	ne of theseS	
387)	Polycystic echinococcosis is caused by			С
ŕ	A. E. vogeli	B. E. o	oligarthrus	
	C. A and B		ne of these	
388)	Sparganosis is caused by			В
ŕ	A. Nematode	B. Cest	stode	
	C. Trematode	D. Fun		
389)	Angiostrongylosis also called		6	А
/	A. Eosinophilic meningitis	B. Eos	sinophilic dermatitis	
	C. Ocular eosinophilia		of these	
390)	Paratenic host for Angiostrongylus cantonensis			D
	A. Crustaceans	B. Liza	ards	2
	C. Frogs		of these	-
391)			significant public health importance	А
571)	A. Food borne	B. Air		11
	C. Water borne		of these	
392)	The parasite A. costaricensis resides in which arteries of caec			А
572)	A. Mesenteric	B. Aor		11
	C. Pulmonary		ne of these	
393)	Anisakiosis is a parasitic disease which is caused by	D. 1101		Α
595)	A. Nematode	B. Ces	tode	Л
	C. Trematode	D. Prot		
394)	All are zoonotic parasite except	D. F10	tozoan	С
574)	A. Angiostrongylus cantonensis	р Тот	xoplasma gondii	C
	C. Ascaris lumbricoides		inococcus granulosus	
205)	C. Ascarls fullioncodes Toxoplasmosis is infection with Toxoplasma gondii. The onl			В
395)	relatives. Infection with T. gondii in humans can occur in var			D
	pf infection in humans?	rious wa	lys. which of the following is the most common mode	
	A. Blood transfusion	D Inc.	action of a consta	
			estion of oocysts	
20(1)	C. Ingestion of tissue cysts		nsplacental transmission	D
390)	Infection with T. gondii can manifest in many different ways congenital infection that is reactivated in a patient's late teens			D
	A. Acute	B. CNS		
	C. Disseminated	D. Ocu		-
207)				D
397)	A patient experiences persistent diarrhea, abdominal pain, an		· · ·	D
	A. Chagas' disease		ebic encephalitis	
200)	C. visceral leishmaniasis		antidiasis	D
398)	Protozoa in which of the following genera does NOT cause b			В
	A. Acanthamoeba		shmania	-
2003	C. Naegleria	D. Enta	amoeba	
399)	Tsetse flies can carry which of the following pathogens?	<u> </u>		A
	A. Trypanosoma brucei		smodium falciparum	
10-	C. Trypanosoma cruzi		rdia intestinalis	_
400)	The cyclical waves of parasitemia associated with Trypanoso			D
	A. trypanosome toxins		host inflammatory response	
	C. immunosuppressive effects of the parasite		igenic variation	
401)	All of the following have a preference for the intestinal trac	ct EXCE	EPT	С

	A. Balantidium	Β.	Entamoeba	
	C. Trichomonas		Giardia	
402)	Which of the following is NOT a characteristic of all apicom	plex	xan parasites?	В
	A. They form nonmotile, sporelike shapes.	Β.	They infect the bloodstream.	
	C. They are parasites of animals.	D.	They require two types of hosts to complete their life	
			cycles.	
403)	What is thought to be the major source of Toxoplasma infecti	on	for humans?	А
	A. ingestion of undercooked meat	Β.	sexual activity	
	C. contact with infected cats and their feces	D.	bites from infected arthropods	
404)	Which of the following parasites can cross the placenta in wo	me	n?	В
	A. Cryptosporidium	Β.	Toxoplasma	
	C. Plasmodium	D.	Cyclospora	
405)	Why are humans a "dead end" for the tapeworm Taenia soliu	m?		С
	A. T. solium is killed by the normal microbiota of the	-	T. solium larvae have no way of leaving the human	
	human intestinal tract.		digestive tract.	
	C. Normally, humans are not cannibals.	D.	Humans lack an important growth factor for further	
			development of the tapeworm.	
406)	Tapeworms use their scolex for which of the following?			С
/	A. asexual reproduction	B.	sexual reproduction	
	C. anchorage		ingesting nutrients	
407)	Cysticerci are found in which type of host of a cestode?	р.		D
107)	A. Neither the definitive nor the intermediate host	R	both the definitive and the intermediate host	
	C. only the definitive host	-	only the intermediate host	
408)	Which of the following tapeworms has an affinity for the live		5	А
+00)	A. Echinococcus granulosus		Taenia solium	Π
	C. Taenia saginata		Schistosoma mansoni	
409)	In the generalized life cycle of fluke larvae, circariaes can par			D
+09)	A. the bloodstream		the liver	D
	C. the lungs		the brain	
410)	The deposition of eggs in the perianal area is a characteristic			•
410)				A
	A. Enterobius vermicularis		Fasciola hepatica	
411	C. Ascaris lumbricoides		Wuchereria bancrofti	
1 11)	The condition elephantiasis is associated with infections of w	-		A
	A. Wuchereria bancrofti		Necator americanus	
	C. Schistosoma japonicum		Fasciola gigantica	
412)	Which of the following organisms is associated with the prop			A
	A. snails	_	dogs	
	C. mosquitoes		cats	
413)	The disease occurs due to Baylisascaris procyonis, the intestin			С
	A. cat		pig	
	C. raccoons	D.	Man	
414)				D
	A. Taeniasis	Β.	Anisakiasis	
	C. Trichinellosis	D.	cryptosporidium	
415)	All are meat borne parasitic diseases Except			Α
	A. Taeniasis	Β.	Anisakiasis	
	C. Trichinellosis	D.	Diphyllobothriasis	
416)	The scientist 'Van Thiel' for first time recognized Anisakiosi	s in		С
,	A. 1980		1970	
	C. 1960		1950	
417)			1	A
,	A. Ascaris suum	В.	Ascaris lumbricoides	
		5	None of these	
	C. A and B		INONE OF THESE	

	A. Nematode	Β.	Cestode	
	C. Trematode	D.	None of these	
419)	Fish-eating birds act as thehosts for intestinal ca	pil	lariasis	В
,		-	reservoir	
		D.	intermediate	
420)	An intermediate host whose presence may be required for the	coi	mpletion of a parasite's life cycle but in which no	С
ŕ	development of the parasite occurs.			
	A. Reservoir host	Β.	Definitive host	
	C. Paratenic host	D.	All of these	
421)	Capillaria aerophila causescapillariasis and re	late	ed symptoms.	А
	A. pulmonary	Β.	intestinal	
	C. ocular	D.	Cutaneous	
422)	Cutaneous larva migrans (CLM) occurs due to subcutaneous	mig	ration of thelarvae	А
	A. Nematode	Β.	Cestode	
	C. Trematode	D.	Protozoan	
423)	act as reservoir for the Strongyloides spp infe	ectio	Dn.	С
	A. Cats	Β.	Cattle	
	C. Dogs	D.	Sheep	
424)	Hookworms are			А
,	A. Nematode	Β.	Cestode	
	C. Trematode	D.	Tapeworm	
425)	Dioctophyma renale large nematode also known as the giant_			В
,				
	A. Kidney fluke	Β.	Kidney worm	
	C. Liver fluke		Liver worm	
426)	The mink (Mustela vison) is considered to be the main reserv	oir	and definite host and humans and dogs are thought to be	D
,	hosts for Dioctophyma renale.		6 6	
		Β.	Definitive host	
	C. Paratenic host	D.	Accidental/terminal	
427)	Gnathostomiasis is importantzoonosis of public h	ealt	h significance.	С
ŕ			Soil -borne	
	C. Food -borne	D.	None of these	
428)	All are Intermediate hosts Except	•		D
	A. fish	Β.	chicken	
	C. snakes	D.	cattle	
429)	Strongyloidiasis is also known as			А
ŕ	A. threadworm infection	Β.	pinworm infection	
	C. headworm infection	D.	birdworm infection	
430)				А
,	A. higher		lower	
	C. equal		Both are not zoonotic	
431)			an be zoonotic in nature.	С
Í	A. hepatitis		rumenitis	
	C. dermatitis	-	None of these	1
432)	Humans arefor S. stercoralis infections			Α
,	A. Reservoir host	Β.	Definitive host	
	C. Paratenic host		None of these	1
433)	Thelazia callipaeda is a helminth responsible for causing		_ infection in humans and animals	В
		Β.	eye	
	C. ear		head	1
434)			elazia callipaeda	D
	A. Tsetse fly		Sand fly	
	C. House flies	-	secretophagous flies	1
435)	High numbers of Trichinella larvae are present in	<u> </u>		D
/		-		

	A. Diaphragm	B. Tongue	
	C. Massetar muscles	D. All of these	
436)	Trichinella larvae make cells in the muscle		А
150)	A. nurse	B. lady	11
	C. doctor	D. larva	
437)	Animals act as reservoirs for most of the Trichostrongylus sp		В
,	A. omnivorous	B. Herbivorous	2
	C. carnivoros	D. None of these	
438)	Trichocephaliasis is known as		С
,	A. threadworm infection	B. pinworm infection	-
	C. Whipworm disease	D. hookworm	
439)		man.	А
,	A. visceral larva migrans	B. cutaneous larva migrans	
	C. ocular larva migrans	D. All of these	
440)	A primary host that harbors the pathogen but shows no ill eff		А
,	A. Reservoir host	B. Definitive host	
	C. Paratenic host	D. None of these	
441)	Clinical symptoms of Toxocariasis in man can be discussed to		С
,	A. 2	B. 3	-
	C. 4	D. 5	
442)	can act as reservoir hosts for human hookwor	m infections	В
,	A. cats	B. Dogs	
	C. fox	D. chicken	
443)	Zoonotic filariasis is a vector borne disease and blood sucking		А
115)	disease		11
	A. biological	B. mechanical	
	C. genitical	D. clonal	
144)	Dirofilaria immitis, also known as		В
,	A. Cat heartworm	B. Dog heartworm	
	C. Human heartworm	D. None of these	
445)	Tick infestations could lead to		
,	ILICK INTESTATIONS COULD LEAD TO		D
		B. allergic reactions	D
	A. paralyses	B. allergic reactions	D
446)	A. paralyses C. toxicities	D. All of these	
446)	 A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individual 		D
446)	A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individu is called	D. All of these al that increases the likelihood of developing a disease or injury	
446)	A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individua is called A. Risk factors	 D. All of these al that increases the likelihood of developing a disease or injury B. accident 	
	A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individualis called A. Risk factors C. incident	D. All of these al that increases the likelihood of developing a disease or injury B. accident D. None of these	A
	 A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individual scalled A. Risk factors C. incident The level of a pathogen in a population, as measured in blood 	D. All of these al that increases the likelihood of developing a disease or injury B. accident D. None of these d serum is called	
	A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individual scalled is called A. Risk factors C. incident The level of a pathogen in a population, as measured in blood A. Seroprevalence	D. All of these al that increases the likelihood of developing a disease or injury B. accident D. None of these d serum is called B. prevalence	A
447)	A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individual is called	D. All of these al that increases the likelihood of developing a disease or injury B. accident D. None of these d serum is called	A
447)	 A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individual is called A. Risk factors C. incident The level of a pathogen in a population, as measured in blood A. Seroprevalence C. mesoprevalence A. mesoprevalence A. are major neglected parasitic infections except 	D. All of these al that increases the likelihood of developing a disease or injury B. accident D. None of these d serum is called B. prevalence D. All of these	A
147)	 A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individual is called A. Risk factors C. incident The level of a pathogen in a population, as measured in blood A. Seroprevalence C. mesoprevalence All are major neglected parasitic infections except A. toxocariasis 	D. All of these al that increases the likelihood of developing a disease or injury B. accident D. None of these d serum is called B. prevalence D. All of these	A
447)	 A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individual is called A. Risk factors C. incident The level of a pathogen in a population, as measured in blood A. Seroprevalence C. mesoprevalence All are major neglected parasitic infections except A. toxocariasis C. trichomoniasis 	D. All of these al that increases the likelihood of developing a disease or injury B. accident D. None of these d serum is called B. prevalence D. All of these	A A B
447)	 A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individual scalled A. Risk factors C. incident The level of a pathogen in a population, as measured in blood A. Seroprevalence C. mesoprevalence All are major neglected parasitic infections except A. toxocariasis C. trichomoniasis All are soil-born except 	D. All of these al that increases the likelihood of developing a disease or injury B. accident D. None of these d serum is called B. prevalence D. All of these B. trypanosomiasis D. toxoplasmosis	A
447) 448)	 A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individual is called	D. All of these al that increases the likelihood of developing a disease or injury B. accident D. None of these d serum is called B. prevalence D. All of these B. trypanosomiasis D. toxoplasmosis B. Trichuris trichiura	A A B
447) 448) 449)	A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individual is called	D. All of these al that increases the likelihood of developing a disease or injury B. accident D. None of these d serum is called	A A B C
447) 448) 449)	 A. paralyses C. toxicities Are any attributes, characteristics or exposure of an individual is called	D. All of these al that increases the likelihood of developing a disease or injury B. accident D. None of these d serum is called	A A B

	Subject: Toxicology and Pharmacology MC	CQ's	s (451-	Answer Key
	Type I ADR reactions is			C
	Caused when T-cells bind to a specific antigen	Β.	Caused by tissue injury	
	L. IgE mediated	D.	Caused by cytotoxic antibodies	
452) Th	he incidence ADR is highest in			В
A	. Children	Β.	Elderly	
C	2. Women	D.	Men	
453)	is contraindicated during pregnancy due to its	Tera	atogenicity.	С
A	. Folic acid	Β.	Calcium	
C	. Retinol	D.	Iron	
454) Th	he most specific & sensitive method for assessment of com	plia	nce can be used to	А
	etect potent therapeutic agent in body fluids is	1		
	. Drug analysis	Β.	Interrogation	
	. Urine marker.		Residual Tablet counting.	
	Thich of the following reaction is called Augmented adverse			С
	Genetically determined effects.		Idiosyncracy	
	2. Rebound effect on discontinuation	D.	Allergic reactions & anaphylaxis.	
456)	causes pharmacodynamic drug interaction	<u>р.</u> n		D
/	Gastric motility changes		Stimulation of metabolism	
	2. Alteration of pH of GIT.		Interactions at receptor site	
				D
is	he age related physiological change in geriatric patient whi			В
	Increased body mass.		Increased total body water.	
C	2. Increased total body fat.	D.	Increased serum albumin level.	
458) _	absorption in infants and children is noticeriod.	ceab	ly faster than in neonatal	A
A		В	Topical	
	2. Intravenous		Intramuscular	
	utonomy in clinical studies is defined as	μ.	intantabound	A
	. Freedom, dignity and confidentiality of the subject;	R	Motive to do good to the subject and/or the society at	
Л	right to choose i.e. whether or not to participate in the	р.	large.	
	trial or to continue with it.		laige.	
C	2. Not to do harm or put the participant at undue	D.	Observance of fairness, honesty and impartiality in	
C		р.		
4(0)	risk/disadvantage.		obtaining, analyzing & communicating the data.	C
460)	drug is usually avoided with breastfeeding.	–	1.1	C
	. Ibuprofen		propranalol	
	. Methotrexate	D.	Naproxe	
	The sponsor in clinical study is	_	I	В
	. Country	В.	Organization	
	2. Society		Cohort	
	cience of collecting, monitoring, researching, assessing and			A
	ealthcare providers and patients on the adverse effects of m			
	A. Pharmacovigilance		Clinical Trails.	
	C. Observational study.		Qualitative study.	
	n epidemic that becomes unusually widespread and even g			А
	. Pandemic	Β.	Hyperendemic	
C	. Spanish flu.		Endodermic	
	he comparison of bioavailability between two dosage forms			D
	Bioavailability	-	Biopharmaceutics	
	2. Biological		Bioequivalence	
			at a steady state within a dosing interval is called	. B

		-		
	A. Lead	_	Peak	
	C. Poison		Mechanisms	
466)	The substantial degradation of an orally administered drug ca	use	d by enzyme metabolism in the liver before the drug	А
	reaches the systemic circulation.	<u> </u>		
	A. First-pass metabolism		Disposition	
	C. Antagonist		Hydrophilic	
467)	Pharmaceutical equivalent that produce the same effects in pa			A
	A. Therapeutic equivalent		Therapeutic window	
	C. Minimum effective concentration (MEC)	D.	Minimum toxic concentration (MTC)	
468)	How are prescription medicines different from OTC ones?	-		С
	A. They contain much smaller amounts of active	В.	They don't contain dyes or preservatives	
	ingredients	_		
1.60	C. They're unsafe for use without medical supervision		They can be toxic	a
469)	The is the heart of the patient counselling			С
	A. Preparing for the session.		Opening the session.	
	C. Counselling content.	D.	Closing the session.	
470)	What is informed consent in a clinical trial?	-		D
	A. The subjects do not know which study treatment they receive	В.	Patients injected with placebo and active doses	
	C. Fake treatment	D.	Signed document of the recruited patient for the clinical trial procedures	
471)	Case control studies is called as			В
., 1)	A. Drug-oriented systems.	R	Dose-oriented systems.	D
	C. Disease-oriented systems.		Complication-oriented systems.	
472)	of clinical trial involves first time human			А
-12)	A. Phase I		Phase II	11
	C. Phase III	_	Phase IV	
473)	The purpose of preclinical testing is:	р.		А
473)		B	To undergo preliminary testing in healthy humans to	Л
	be tested in humans.	р.	monitor the effects of the drug.	
	C. To create a basic outline for the larger scale future tests	h	To develop method of drug analysis	
	on a widespread population.	Ρ.	To develop method of drug analysis	
474)	Which of the following terms does not describe an Adverse D	ruc	Reaction?	D
., .,	A. Idiosyncrasy		Anaphylaxis	D
	C. Teratogenic effect		Placebo effect	
475)	Patient counselling in pharmaco-epidemiology helps to	ρ.		С
-73)	A. Know chemical structure of drug	R	Develop business relations with pharmacist	C
			Pass time at old age	
	of his/her health status.	р.		
476)	Pharmacovigilance is done for monitoring of		T	С
	A. Drug price		Unethical practices	
	C. Drug safety		Pharmacy students	
477)	Which of the following statements best describes a lead comp			
	A. A compound that contains the element lead	В.	A compound from the research laboratory that is chosen to	
			go forward for preclinical and clinical trials.	
	C. A molecule that shows some activity or property of interest and serves as the starting point for the development of a drug.	D.	The first compound of a structural class of compounds to reach the market.	
478)	Prophylactic administration of vitamin k in breast fed babies	is a	n example of	С
- /	A. Health promotion		treatment	
	C. Specific protection		rehabilitation	
479)	Early diagnosis and prompt treatment in pharmacoepidemiolo	-		А
,	A. Disease identification	_	Host factor	
	C. Environmental factor	-	Behavior modification	
L				

480)	Study of dosages of drugs is called		С
-00)	A. [Health promotion	B. Treatment	C
	C. Posology	D. None of all	
481)	Chemical constituent of the drug which is the reason for its t		С
101)	A. Excipient	B. Odd compound	U
	C. Active principle	D. None of all	
482)	If a drug has No active principle just excipients it is		С
102)	A. drug	B. Opioids	U
	C. Placebo	D. None of all	
483)	Presystemic metabolism of administered drug is called		А
100)	A. First pass metabolism	B. Renal removal	11
	C. dialysis	D. None of all	
484)	Unchanged fraction or percentage of administered drug that		В
101)	A. Excretion	B. Bioavailability	D
	C. Elimination	D. Administration	
485)	Movement of drug or processes involved in movement of drug		D
100)	A. Excretion	B. Bioavailability	D
	C. Elimination	D. Absorption	
486)	Outcomes of metabolism of drug result in		D
100)	A. Active to inactive drug	B. lipid soluble to water soluble	D
	C. Inactive to active prodrug	D. All of all	
487)	Half life determines which parameter/s		А
,	A. Time to reach steady state conc and dosage interval	B. Time to reach steady state conc	
	C. dosage interval	D. None of all	
488)	The following has an impact on Health technology		D
100)	A. Equipments	B. Instrument	D
	C. Drugs	D. All of all	
489)	The survival in public health		В
,	A. humanistic outcome	B. Clinical outcome	
	C. Humanistic outcome	D. None of all	
490)	The following is patient prospective except		D
	A. Clinical Cure	B. Quality of life	
	C. Out-of-pocket	D. Satisfaction with treatment process	
491)	Ms. KAMANA went to medical clinics where the doctors ch		С
- /		medical insurance to afford amoxy-denk while the clinical	-
	putcome is the same. what type of health economic eva		
	A. cost utility analysis	B. cost effectiveness analysis	
	C. cost minimization analysis	D. All of all	
492)	According to health care purpose, the technology should be	grouped as following excepts	С
	A. prevention like immunization	B. screening like mammography	
	C. diagnosis like antiviral therapy	D. treatment like psychotherapy	
493)	A patient requires a high dose of a new antihypertensive mea effect. What does this mean?	dication because the new medication has a significant first-pass	С
	A. The medication must pass through the patient's bloodstream several times to generate a therapeutic effect.	 B. The medication passes through the renal tubules and is excreted in large amounts. 	
	C. The medication is extensively metabolized in the patient's liver.	D. The medication is ineffective following the first dose and increasingly effective with each subsequent dose.	
494)	The following drug trial is synonymous with the term "clinic		В
	A. Clinical pharmacology and toxicology	B. Full scale evaluation of treatment	
	C. Initial clinical investigation for treatment effect	D. None of all	
495)	Which of the following is not secreted from		С
49.))		· · · · · · · · · · · · · · · · · · ·	~
493)	A. Thyroid stimulating hormone	B. Renocorticotropin	

496)	496) Long term treatment of hyperglycemia does not include				
	A.	Bisphosphonates	B. (Calcitonin	
	C.	Hydration	D. I	Loop diuretics	
497)	Whi	ch medication should be avoided in thyroid storm		•	D
	Α.	Beta blocker	B. (Glucocorticoid	
	С.	Insulin	D. 1	None of all	
498)		Potassium, sodium, chloride are			В
	A.	Catecholamines	B. E	Electrolytes	
	C.	Enzymes	D. S	Steroids	
499)		ch of the following is a measure of blood sugar after 4 or	mor	e hours of no food	А
, i i		Fasting glucose		Glucose tolerance test	
			D. 7	Thyroid function test	
500)	lnsu	lin is produced and external insulin medication is given to	o cor	npensate the natural one produced form	
, í		Gall bladder		Liver	
	C.	Kidney	D. I	Pancreas	
501)	Pr	imary target site of aflatoxin B1 (AFB1) in animals			А
, í					
	A.	Liver	Β.	Lungs	
	C.	Bursa	D.	Lymph nodes	
502)	En	zyme showed a strong correlation in metabolic activation	of A	AFB1	С
	A.	Alkaline Phosphatase	Β.	Gamma-glutamyl transferase	
	C.	Cytochrome P450	D.	Alkaline Transaminase	
503)	W	hich one is more resistant to Mycotoxins		·	D
	A.	Humans	Β.	chicken	
	C.	Rat	D.	Sheep	
504)	Maj	or Aflatoxins found in milk			С
	A.	AFB1	Β.	AFB2	
	C.	AFM1	D.	AFG1	
505)	Ba	lkan endemic nephropathy (BEN) and other renal anomal	ies a	associated with	А
	A.	Ochratoxin A	Β.	Aflatoxins	
	C.	ZEN	D.	DON	
506)		also used as biological agent			А
	A.	Trichothecenes	Β.	Ochratoxin A	
	C.	Aflatoxin	D.	Zearalenone	
507)	Ac	cceptable level of AFM1 in milk is			В
	A.	1.00 ppb	Β.	0.05 ppb	
	C.	0.09 ppb	D.	1.5 ppb	
508)	W	hich test is based on the detection of specific mycotoxin s	truct	ture through specific antibody	В
	A.	Lateral Flow Immunoassay (LFIA)	Β.	Enzyme linked immuno-sorbent assay (ELISA)	
	C.	Fluorescence polarization immunoassay (FP)	D.	Biosensor methods	
509)	AI	FB1 inhibits the expression of			С
	А.	IL-3	Β.	IL-8	
	C.	IL-4	D.	IL-2	
510)	Al	l are physical methods for removal of Mycotoxins Except	t		D
	A.	Ionizing radiation	Β.	Heat	

	C.	Thermal degradation	D.	Ozone treatment	
511)	Co	nditions favorable for Fungal growth	I		А
	٨	T 2C^0C, 11; 1:4. 700/	Ь	Toma 179C. Humidita 500/	
		Temp 26°C; Humidity 70%. Temp 50°C; Humidity 70%.		Temp 17°C; Humidity 50%. Temp 50°C; Humidity 90%.	
512)		oestrogenism is related to which Mycotoxins:	μ.	Temp 50 C, Humany 90%.	В
512)		Aflatoxins B1	B	Zearalenone	D
		Ochratoxin A		Deoxynivalenol	
513)		ch mycotoxin is the possible cause of equine leukoencepha			А
515)		F. verticillioides		A. flavus	11
		A. parasiticus		S.typhi	
514)		radation of mycotoxins into non-toxic metabolites by using			А
511)		Biotransformation		Bioremediation	
		Conjugation	-	Transduction	
515)		yeast can be used as adsorbents for mycotoxins	P .		А
515)		Saccharomyces cerevisiae	в	Cryptococcus neoformans	
	Г. С	Candida tropicalis		None	
	С.	Cuntilui iropicuits	Ρ.		
516)	A 11 s	are in-organic mycotoxins binders Except		I	С
510)		Zeolites	R	Bentonites	C
		Yeast cell wall		Clays	
517)		srupted sphingolipid synthesis is associated with toxicity o			В
517)	DI	stupied spiningonpid synthesis is associated with toxicity o	1		D
	A.	AFB1	B.	FB1	
		OTA	D. D	DON	
	C.	OIA	Ρ.	DOIN	
518)	Whi	ch one is structurally similar to estradiol and produce repro	dua	ctive problems	А
510)		ZEN		DON	11
		FB1	D.	AFB1	
519)		ye's syndrome in children associated with toxicity of	— •		D
517)	100	ye s synatome in emilien associated with toxicity of			D
	A.	Ochratoxin	Β.	Fumonisins	
	C.	Zearalenone	D.	Aflatoxins	
520)	[AR	C classified the Fumonisin B1 to			А
		Crown 3D	D	Group 3B	
	А.	Group 2B	В.	-	
	C	Group 1B		Group 4B	
	C.	-	D.	-	
521)	То	xin associated with Esophageal cancer in humans is			С
	A.	Ochratoxins	Β.	Aflatoxins	
	C.	Fumonisins	D.	Zearalenone	
522)	Ne	phritis, Hepatomegaly, genotoxicity and immunosuppressi	on	in poultry is associated with	А
	A.	Ochratoxins	Β.	Aflatoxins	
	C.	Fumonisins	D.	Zearalenone	
523)		aximum tolerable level of mercury for poultry is only:			В
	A.	0.2 ppm	Β.	2 ppm	
		3 ppm		4 ppm	
524)		l levels in forages and cereals should be lower than	•		А
Í		1 mg/kg	B.	0.5 mg/kg	
		1.5 mg/kg		2 mg/kg	
525)		. is required in the structure of B12 vitamin and its derivati			D
/	А.	Mercury		Zinc	

	C.	Copper	D.	Cobalt	
526)	Th	e recommended amount of Arsenic in poultry feed is:			С
		0.2 and 0.50 mg/kg		1.2 and 5.0 mg/kg	
507		0.012 and 0.050 mg/kg		2.0 and 0.0050 mg/kg	
527)		ary route for the transfer of ARSENIC and exposure of an			В
		Air Feces		water Secretions	
528)		e toxic dose of Arsenic in poultry feed is:	μ.	Secretions	А
528)	111	e toxic dose of Arsenic in poundy feed is.			A
	A.	40 and 50 mg/kg	B.	10 and 20 mg/kg	
		70 and 80 mg/kg		20 and 90 mg/kg	
529)	Duc	ks are particularly sensitive to which Toxin:			D
	A.	Ochratoxin		DON	
	C.	ZEN		Aflatoxins	
530)		kens can tolerate lead concentrations without affecting the			В
			Β.	500 mg/kg	
		300 mg/kg	D.	100 mg/kg	
531)		imum tolerable level of zinc in poultry is:	L		D
	А.	2000 ppm	В.	500 ppm	
	C.	250 mm		1000	
532)		250 ppm rally occurring mixtures of aflatoxins were classified as:	Ρ.	1000 ppm	С
332)			R	Class 3 carcinogenic	C
		Class 1 carcinogenic		Class 3 carcinogenic	
533)		the mycotoxin is primarily found in apple and grape juices?	ν.		С
555)			B.	ZEN	e
		Patulin		FB1	
534)	The	thermal natural zone for Poultry ranges from:			D
			Β.	14°C to 29°C	
	C.	10°C to 28°C	D.	13°C to 24°C	
535)	Flo	oor space required for chick during first week in artificial b	roo	der is:	В
		1.20 1.00	L		
	A.	150 – 180 sq cms	В.	100 – 120 sq cms	
	C	200 250		NT	
	C.	200 – 250 sq cms	D.	None	
536)	Phot	operiod of layer should be:			С
550)				8 – 10 hrs	C
	A.	18 – 20 hrs	В.		
	~	14 – 16 hrs	_	24 hrs	
	C.		D.		
537)	Gizz	ard is an organ of:			А
		Grinding	Β.	Absorption	
		Excretion	D.	Digestion	
538)	Pe	ak egg production in chickens is achieved at:			D
				10 – 22 weeks	
		16 – 20 weeks		24 – 30 weeks	
539)		ctors responsible for anti-nutrition present in cotton seed ca			А
	А.	Gossypol	В.	Aflatoxin	
	0	O laste in		NT	
	C.	Ochratoxin	μ.	None	

540)	En	Encephalomalacia occurs in poultry due to deficiency of:			
	A.	Vit D2	B.	Vit E	-
	C.	Vit K		Vit A	-
			υ.	VILA	
541)) Colour of Egg shell in poultry is due to:				C
		Cholesterol	В.	Calciferol	-
		Porphyrin	D.	None	
542)					A
		Left	Β.	Right	
		Lower right	D.	Lower left	
543)	43) Crop milk is produced in:				D
	A.	Quails	Β.	Chicken	
	C.	Parrots	D.	Pigeons	
544)	4) Curled toe paralysis in chicks is observed due to deficiency of				А
		Riboflavin		Thiamine	
		Pantothenic acid	D.	Vit. A	
545)) which one of the following acts as antioxidant in feed?				C
		Copper		Manganese	-
		Selenium		None	
546)	The Elimination of unproductive or diseased birds from flock is known as:				C
		Nulling		Debudding	-
		Culling		Roasting	
547)) For heavy breed of chicken, the ratio of male and female for the proper fertilization of egg should be:				A
	A.	1: 8 - 10	Β.	1: 12 - 14	-
= 10)				1: 16 - 18	
548)					A
		50 - 60 %	В.	75 - 80 %	
		85 %	D.	Below 50 %	
549)					А
	A.	AFB1	Β.	ОТА	
	C.	ZEN	D.	None	
550)	550) Kidney is target organ in:				D
	A.	AFB1	Β.	ZEN	
	C.	DON	D.	ΟΤΑ	

Subject: Human and Animal Physiology (Mcq's 551-700)			
551)	The epithelium is called simple epithelium on the	basis	Key A
· · ·			
	A. Number of cell layers	B. Shape of cells	
	C. Size of cells	D. Location of cells	
552)	Animal possess canal system		В
	A. Annelids	B. Sponges	
	C. Echinoderms	D. Mollusca	
553)	Pulmonary artery originates from		D
	A. Right auricle	B. Left auricle	
	C. Left ventricle	D. Right ventricle	
554)	Which organ receives only oxygenated blood?		С
	A. Lung	B. Liver	
		Gill	
	C. Spieen	D.	
555)			
	A. Crabs	B. Humans	A
	C. Monkeys	D. Crows	
556)	5) Where are Haversian canals found?		
	A. Humerus	B. Vili	A
	C. Medula	D. None of the above	
557)	An example of a tetrapod is	1 1	В
	A. Flesh fly	B. Hummingbird	
	C. Tarantula	D. Blue-ringed octopus	
558)	Humans have bones in the vertebrate column	n	С
	A. 52	B. 32	
	C. 33	D. 53	
559)	Which is the largest cell in human body?	p. p5	
557)	A. Macrophage	B. Granule cell	С
	C. Ovum	D. None of the above	
560)	Where are histamine-secreting cells found?		В
/	A. Nervous tissue	B. Connective tissue	
	C. None of the above	D. Areolar tissue	
561)	Which of the following is an amniote?		В
· · ·	A. Leaf green tree frog	B. Crow	
	C. Japanese giant salamander	D. None of the above	
562)	What are osteocytes?		В
	A. A type of white blood cell	B. A type of bone cell	
	C. 1-	D. None of the above	
563)	In central themes of physiology, we study		

	A. Structural -function relationship	B. Adaptation	D
	C. Conformity	D. All above	<u> </u>
564)		crete functional compartments.	C
	A. Tissue, Organs	B. Cell membrane, cytosol	_
	C. Mitochondria, ER	D. Organ system, Organelle	
665)	Terrestrial animals face and temperature		D
	A. Cool, cool	B. Cool, intermediate	_
	C. Hot, Intermediate	D. Hot, cool	
566)	Which of the followings is the site of core glycosylation of s	· ·	Α
	A. RER	B. Mitochondria	
	C. SER	D. Golgi complex	
567)	Striated ducts in sub-lingual salivary glands are not present i	n	В
	A. Horse	B. Dog	
	C. Ox	D. Sheep	
68)	Tuber calcanei is grooved in		С
	A. Horse	B. Dog	_
	C. Ox	D. Pig	
569)	Broad ligament in mare has attachment with	· · · -	В
,	A. Lateral abdominal wall	B. Sub lumber region in mare	
	C. With caudal wall	D. With chest wall	
570)	How many branches of transverse process are present in sixth		В
,	A. 5	B. 3	
	C 7	D. 9	_
571)	A rounded spleen is present in the body of		В
,,,,,	A. Dog	B. Chicken	
	C. Goat	D. Mare	-
572)	The mucous membrane of the palate bears following epitheli		Α
,12)	A. Stratified Squamous	B. Simple squamous	
	C. Stratified Squamous	D. keratinized	-
(72)			•
(21)	Dry matter required by cow of 400 kg body weight should be		A
	A. 10Kg	B. 2.5Kg	_
	C. 20Kg	D. [0.5Kg	
574)	*		В
	A. 10%	B. 33%	_
	C. 20%	D. 50%	
575)	Mark the optimum age for castration of male calves by bloodl		D
	A. 2 months	B. 2-3 months	_
	C. 3-4 months	D. 4-6 months	
576)	In general, low percentage of infertility occurs in younger an	imals but increase in case of older cows which is	Α
	approximately:		_
	A. 2-3%	B. 4-5%	
	C. 3-4%	D. 5-6%	
577)	If cow gets excited or disturbed at milking time the "Hold-up"	of milk occurs, it is due to release	С
	A. Oxytocin	B. Progestrone	
	C. Adrenalin	D. Renin	
578)	Clinical signs such as vesicle on lips, muzzle, dental pad, tor	gue, gingavae, interdigical spaces, and teats, and reluctant	Α
-	to eat and walk are common in cows/buffaloes with:		
	A. FMD	B. IBR	7
	C. BVD	D. MDC	1
579)	Horse shoe crab amebocytes test is used for determination of		Α
,	A. Endotoxin	B. Virus	\dashv
			_
	C. Bacteria	D. Uric acid	

	A. Midline, cranial to the umbilicus	3. In the left inguinal region	
	C. In the right inguinal region	 D. Midline, caudal to the umbilicus 	
581)			С
,	· · · · · · · · · · · · · · · · · · ·	3. 3	
	C. 2	D. 4	
82)	Regarding the bone grafting, the bone graft that is taken from	the animal of same species as that of patient is called as	Α
	A. Homograft	3. Xenograft	
	C. Autograft	D. Hetrograft	
83)	fish, steak, rice and fruit salad). The relative risk was calcula not responsible for this epidemic. The relative risk of fish is:		А
	C. 1.2	D. 3.0	
84)	First site of entry of antigen is		В
01)	A. Antibody molecules	3. Unbroken skin	D
	C. Antigen molecules	D. Phagocytic cells	
85)	The time temperature combination for HTST pasteurization of		Α
/	A. Coxiella Buurnetii	B. subtilis	••
	C. E.Coli	D. C.botulimum	
86)	Which reaction in DNA replication is catalysed by DNA liga		D
	A. Addition of new nucleotides to the lagging strand.	3. Addition of new nucleotides to the leading strand	_
	Reso pairing of the templete and the newly formed DNA	Formation of a phosphodiester bond between the 3'-OH O, of one Okazaki fragment and the 5'-phosphate of the next on the lagging strand	
(7)	Endotoxins are heat stable lipopolysaccharide-protein complete		Α
	of bacteria. Which of the following statement regarding endo		
		3. are found in both gram positive and gram-negative	
		bacterial cell wall	
	are part of the cell wall of gram-positive bacteria only	D. none of the above statement is correct	
	A typical growth curve consists of 4 phases. Which is the corre		С
		B. stationary, exponential, lag, death	
	C. lag, exponential, stationary, death	D. lag, stationary, exponential, death	
	All is true about agar slant except:		В
		B. For anaerobic bacteria	
		D. Solid medium	
00)	A dog presents to your clinic for an acute onset of sneezing a		С
	and remove a grass awn. What bacterial infection is this dog		
		3. Pasteurella multocida	
		D. Clostridium tetani	
	A type III Salter Harris fracture involves what part of the bone		С
		3. Metaphysis, physis, and epiphysis	
		D. Metaphysis and epiphysis	
92)	Meibomian glands produce which portion of the tear film?		D
		3. Immunoglobulins	
		D. Lipid	
	Most common tumor of mare reproductive tract is		D
93)	A. Mellanoma	3. Squamous cell carcinoma	
93)			
93)	C. Sarcoid	D. Granulosa cell tumor	
93)	C. Sarcoid To achieve a normal pregnancy, the blastocyst attaches to wha	structure?	A
93)	C. Sarcoid To achieve a normal pregnancy, the blastocyst attaches to wha		A
93) 94)	 C. Sarcoid To achieve a normal pregnancy, the blastocyst attaches to wha A. Endometrium 	structure?	A

	A. Gastrectomy	В.	Gastrotomy			
	C. Gastrostomy	D.	Gastropexy			
596)	An <i>expectorant</i> is a drug that acts to	•		С		
	A. Suppress a productive cough	Β.	Suppress inflammatory cells in the respiratory tract			
	C. Liquefy and dilute viscous secretions in the respiratory	D.	Reduce the allergic			
	tract					
597)	Creatinine concentrations in serum are influenced by					
	A. Hydration level		Liver disease			
	C. Amylase concentration	D.	Insulin production			
598)			se EDTA forms a complex with it.	В		
	A. Magnesium	-	Calcium			
	C. Phosphorus		Potassium			
599)	The fecal solution most likely to be successful in detecting G			В		
	A. Sodium chloride		Zinc sulfate			
	C. Sodium nitrate		Physiologic saline			
600)	Kidney function can be assessed by the following preanesthet			С		
	A. BUN	Β.	Urinalysis			
	C. ALT	D.	Creatinine			
601)				D		
	A. Pinna reflex	Β.	Jaw muscle tone			
	C. Pedal reflex	h	Eye position			
602)	For a Dorsoventral (DV) view of the entire skull, you should		7 1	D		
002)	A. At the medial canthi on the bridge of the nose		At the highest point of the zygomatic arch			
	C. Between the ears		Between lateral canthi on sagittal crest			
603)	vermectin is not effective against flukes and tapeworm infect			D		
005)	A. Fumerate reductase is not present in flukes and B. Mitochondrial phosphorylation is not present in flukes					
	tapeworms	р.	and tapeworms			
	C. Acetyl choline transmission is not present in flukes and	D	GABA transmission is not present in flukes and			
	tapeworms		tapeworms			
604)	Direct life cycle is also called	1		Α		
		_				
	A. Monoxenous	В.	Complete			
(0.5)	C. Heteroxenous	D.	None	P		
605)	The signs of poisoning with organophosphorus anticholineste			D		
	A. Bronchoconstriction		Intestinal spasm	_		
(0)()	C. Mydriasis		Increased bronchial secretions			
606)	Members of Psychodidae family in Nematocera are common			A		
	A. Biting's midges		Black flies			
(07)	C. sand flies		Mosquitoes	D		
607)	Horse flies and are very striking in their appearance. The		House flies			
	A. Tsetse flies					
6001	C. Buffalo flies Type of anemia in CIN	μ.	Deer flies	D		
608)	A. Microcytic normochromic	Þ	Normocytic normochromic			
	C. Macrocytic Normochromic		Normocytic hypochromic	_		
600)	Benign tumors arising from the salivary gland epithelium are			В		
609)				В		
	A. Fibromas	р.	Pleomorphic Adenomas			
	C. adenocarcinoma	D.	Transitional cells			
		<u> </u>				
610)	Severe babesiosis in dogs can result in which of the following	g:		D		
,	A. anemia	<u> </u>	all of the above	1		
	C. hypoalbuminemia	-	none of above			
	The following substances increase the capillary permeability i		auto inflommation avaante	С		

	A. Bradykinin	B. Angiotensin	
	C. Histamine	D. Complement proteins	-
612)	The newly formed, highly vascularized, connective tissue wi	· · ·	А
- /	as	I I I I I I I I I I I I I I I I I I I	
	A. purulent exudate	B. Scar	
	C. granulation tissue	D. Granuloma	
613)	NDV strains employed as live vaccine to protect poultry include	le	С
	A. Mesogenic strains	B. Lentogenic strains	
	C. Velogenic strains	D. All above	-
614)	What the usual look of bursa of Fabricius in birds affected with		С
,	A. Normal	B. Swollen	-
	C. Atrphied	D. None of above	
615)	Vitamin A deficiency in poultry feeds may result in		С
015)	A. Enhance epithelial repair	B. Weak bones	
	C. visceral urate deposits	D. None above	-
616)	In necrotic enteritis duration of the clinical course is		А
010)		B. more than a week	
	C. 3-5 Days	D. All above	_
(17)	Egg drops syndrome virus infection results decreased egg proc		D
017)			
	A. Lameness in the laying hens	B. Watery albumin of eggs	_
(10)	C. weak shelled eggs	D. Above all	
618)	Minimum acceptable level of aflatoxins B1 in poultry feed is		В
		B. 20 ppb	_
		D. 50 ppb	
619)	The mechanism of transport of drug which work like active tra	nsport but the drug does not more against concentration	В
gradient;			
		B. Facilitated diffusion	
	C. Passive diffusion	D. Endocytosis	
620)	Most drugs and metabolites are excreted by;		А
	A. The kidneys	B. The lungs	
	C. The bile	D. The saliva	
621)	The rate of drug absorption is greatest in;		Α
	A. The small intestine	B. The stomach	
	C. The large intestine	D. Plasma	
622)	Rectally palpable positive sign of pregnancy in cattle at 45 day	s of gestation is	D
,		B. Presence of a big CL	
		D. Presence of Amniotic vesicle	-
623)	What is the average duration of estrus period in the buffalo?		D
023)		B. 17 days	
	C. 42 days	D. None of the above	-
624)	Placentomes are formed by the fusion of:		А
024)		B. Both A and B	Л
		D. None of the above	_
(25)	Extracellular fluid is transported through all parts of the body.		С
625)		B. Tissue \rightarrow blood \rightarrow blood vessels \rightarrow blood capillaries \rightarrow cells	
	C. Blood \rightarrow blood vessels \rightarrow blood capillaries \rightarrow tissue cells	D. None of above	1
626)	The continual exchange of extracellular fluids occurs betwee	n at cellular level.	A
	A. Plasma portion of blood and the interstitial fluid	B. Water portion of blood and interstitial of fluid	

627)	7) The homeostatic functions restore the normal physiology with the help of many attributing components of this system, named as			
	A. Sensor, control center, effectors	B. Receptors, control center, organs	-	
	C. Biomolecules, brian, organs	D. Biomolecules, brain, systems, effector		
628)	Feedback is a process in which some portion of output signa		А	
	A. Positive feedback signals	B. Negative feedback signals		
	C. Normal signals	D. Both (a,b)		
629)	Plasma and serum is differentiated from each other by absen		В	
	A. Carrier proteins, like albumin	B. Clotting proteins, like fibrinogen		
	C. Plasma proteins, like globulin	D. Specialized proteins, like enzymes		
630)	Anemia is a disease which deals with		D	
	A. Reduction in RBCs count	B. Reduction in hemoglobin content	_	
	C. Reduction in packed cell volume	D. All		
631)	The energy generating organelle of the cell that often termed a		В	
	A. Endoplasmic reticulum	B. Mitochondria	_	
	C. Golgi apparatus	D. Cytoskeleton		
632)	The processing, packaging, labeling and delivery of proteins as,		A	
	A. Golgi apparatus	B. Lysosome	_	
10.0	C. Peroxisomes	D. Mitochondria		
633)	Immune system causes tissue damage as it fights off a perceiv		В	
	A. Hypersensitivities	B. Autoimmune diseases	_	
	C. Immunedeficiency	D. Antibiotics		
634)	The is known to be functional partner of bone		А	
	A. Skeletal muscle	B. Tendon		
	C. Ligament	D. Myofibrils		
635)	Which one of the following sets of ions is necessary in chem		C	
	A. Na ⁺ and K ⁺ ions	B. Na ⁺ and Ca ⁺⁺ ions		
	C. Ca ⁺⁺ and Mg ⁺⁺ ions	D. Na^+ and Mg^{++} ions		
636)	Which of the following is contractile protein of muscle?		В	
	A. Tubulin	B. Myosin		
	C. Actin	D. Troponin		
637)	At the distal end of the mouth, throat divides into two separa entering into windpipe?	ate tubes: 1. Gullet, 2. Windpipe. What prevents food from	А	
	A. The epiglottis	B. The glottis		
	C. The tongue	D. The throat		
638)	Glycogenolysis is		В	
	A. Creation of glycogen	B. Destruction of glycogen		
	C. Destruction of glucose	D. Creation of glucose		
639)	The main function of the kidney is to:		В	
	A. Eliminate O ₂	B. Regulate fluid balance		
	C. Metabolize vitamins	D. Eliminate CO ₂		
640)	Electrolytes are especially essential to which cells		С	

	A. Nerve	B. Muscle	
	C. Both (a,b)	D. None of above	
641)	percent (%) solution of NaCl is considered isotonic		С
, ,			-
	A. 0.8%	B. 0.85%	_
(10)	C. 0.90%	D. 0.95%	D
642)	works opposite to insulin while controlling blood	d glucose concentration.	D
	A. Insulin	B. Oxytoxin	
	C. Thyroxin	D. Glucagon	1
643)	The life span of RBCs is of days		С
	A. 80	B. 100	
	C. 120	D. 140	
644)	Positively charged ions are called		В
	A. Anions	B. Cations	
	C. Cell body	D. Nephrons	
645)	Ultra violet rays can		В
	A. Help to diagnose skin cancer	B. Penetrate and change the skin cells	1
	C. Cause no harm to skin	D. Enhance the beauty of the skin	
646)	tissue type has the greatest ability to regenerate.		D
			-
	A. Muscle	B. Epithelial	-
	C. Nervous	D. Connective	-
647)	Which structure detects changes in temperature?		В
	A. Pons	B. Thermoreceptor	-
	C. Medulla	D. Pituitary gland	
648)	cranial nerve is responsible for eye movement.		А
	A. Oculomotor	B. Vagus	1
	C. Trigeminal	D. Olfactory	1
649)	Which hormone does the pancreatic alpha cell secrete?		А
	A. Glucagon	B. Insulin	
	C. Somatotropin	D. Somatostatin	1
650)	The target organ of TRH is	· ·	С
		he have a state of the state of	-
	A. Adrenal gland	B. The pituitary gland	_
(71)	C. Thyroid gland	D. pancreas	0
651)	The process by which cell can take in fluid and molecules t transport is called	oo large to be carried across the plasma membrane by active	C
	A. Phagocytosis	B. Diffusion	
	C. Pinocytosis	D. Absorption	
652)	The majority of melanomas are caused by:	<u> </u>	Α
	A. Exposure to ultra violet light	B. Lack of Vitamin D	
	C. A poor diet	D. Excess fatty tissues	
653)	The main function of the kidney is to:	7 7	В
	A. Eliminate oxygen	B. Regulate fluid balance	
	C. Metabolize vitamins	D. Eliminate carbon	
654)	Histamine causes:	1	С
	A. The death of infectious microorganisms	B. Some of the functions of T-cell lymphocytes	4
	C. Some of the signs and symptoms of inflammation	D. The bonding of T-cell lymphocytes to infectious microorganisms	
655)	Which of the following statements is true?		В

	A. Squamous epithelial cells are cube shaped	В.	Stratified cuboidal epithelial will have multiple layers of cells	
	C Stratified epithelium consists of a single layer of cells	D	Simple columnar epithelium consists of flat and scale	
	с.	Γ.	like cells	
656)	Which of the following is completely reabsorbed in the pro-			А
	A.Sodium		Water	_
	C. Glucose	D.	Urea	
657)	Cytokines are chemical messengers which:	L		A
	A. Promote inflammation		Kill infecting microorganisms	_
170)	C. Cause Pain	D.	Produce antibodies	~
658)	Which of the following statements is true?			C
	A. Endothelium is the most abundant type of tissue in the body	В.	The key function of simple epithelium is to provide strength	
	C. Endothelium lines blood vessels and the heart	D.	All of the above are true	
659)	The movement of fluid between compartments is regulated			А
	A. Osmotic and hydrostatic pressures		Glomerular filtration rate	
	C. Parathyroid hormone		АТР	
660)	The correct term for containing sample of skin for histologic			С
	A. Surgical shave		Injection	
	C. Biopsy	D.	Aspiration	
661)	Which is the most abundant tissue in the human body?			D
	A. Epithelial		Nervous	
	C. Connective	D.	Skeleton	
662)	Scar tissue formation is also known as			Α
	A. Fibrosis	Β.	Granulation	
	C. Mitosis	D.	Necrosis	
663)	Gluconeogenesis is:	-		D
	A. The creation of glycogen	Β.	The destruction of glycogen	
	C. The destruction of glucose	D.	The creation of glucose	
664)	Which of these is an example of a neurotransmitter?			D
	A. Dopamine		Norepinephrine	
	C. Acetylcholine		All of the above	
665)	What substance does aldosterone directly regulate the concer	ntrat	ion of?	С
	A. Potassium		Phosphorous	
	C. Sodium		Calcium	
666)	What stimulates the release of ADH from the posterior pitu	itar	y gland?	В
	A. Increased blood levels of glucose		Increased blood levels of sodium	
	C. Decrease blood levels of glucose	D.	Decrease blood levels of soduim	
667)	The correct term for the end of a bone is:			D
	A. The terminal ileum	Β.	The xiphoid	
	C. The diaphysis	D.	The epiphysis	
668)	S.I. units are standardized:			D
	A. Units of molecules	Β.	Units of cells	
	C. Units of substances	D.	Units of measurements	
669)	Thick filaments in skeletal muscle are composed of			В
	A. Actin	Β.	Myosin	
	C. Troponin	D.	Tropomyosin	
670)	How do muscles attached to the bones move the body?			С
	A. Automatically	Β.	Push movement	
	C. Pull movement	D.	Push and pull movement	
671)	Arteries that directly lead into capillaries are called:			А
	A. Arterioles	Β.	Pulmonary valve	

	C. Muscular arteries	D. '	Tricuspid valve			
672)	Which valve prevents the backwards flow of blood in to the left atrium?					
	A. Aortic valve	Β.	Pulmonary valve			
	C. Mitral valve		Tricuspid valve			
673)	Which digestive tract hormone inhibits gastric gland secretio			С		
	A. Gastrin		Cholecystokinin			
	C. Secretin	D.	Anti-diuretic hormone			
674)	Lack of Vitamin B ₁₂ results i:			С		
	A. Vascular spam		Vascular dilation	_		
	C. Anemia	D.	Agglutination			
675)	The effect of adrenaline on the heart includes:	L I		A		
	A. Increased heart rate	_	Increased diastolic time	_		
	C. Increased systolic time	D.	Increased relaxation period	D		
676)	Which part of the digestive tract has small adaptations called			D		
	A. The oesophagus		The large intestine	_		
	C. The stomach	D.	The small intestine			
677)	What happens to dietary carbohydrates? A. They are broken down into amino acids by hydrolysis	Ь	There are bashere down into always land fotter aside by	D		
	A. They are broken down into amino acids by hydrolysis		They are broken down into glycerol and fatty acids by catabolism			
	They are broken down into simple sugars by the action C. of pepsin	D.	They are broken down into monosaccharide by the action of amylase			
	Cell physiology includes application of most of law's of wh	nich	subjects.			
	A	В				
678	Biology	Б	Chemistry	С		
	C N	D				
	Physics and Chemistry		Physics			
	Failure of a tissue or organ to develop is called.					
	A	В				
679	Hypoplasia		Aplasia	В		
	C Neoplasia	D	Alopecia			
			Аюрсна			
	Sperms are produced at a temperature that is:		1	_		
	A Higher than body temperature	В	The same as body			
<i>c</i> 00		•		C		
680				С		
	C Lower than body temperature	D	Immaterial			
		•	minuterur			
	The property of being able to react to a stimulus is called.					
			1	_		
681	A Conductivity	В	Irritability	В		
	•	<u> </u>				
	C Contractility	D	Transmission			
	·					

682	Which mineral is an essential part of thyroxin			D		
	A . Fe	В	Na			
	C Mg	D	Iodine]		
	The second largest constituent of protoplasm is					
683	A Water	В	Protein	В		
	C Lipid	D	Inorganics			
	Immunity depends on which constituent as antibodies					
684	A Carbohydrates	В	Proteins	В		
	C Lipids	D	Fats			
	Lipids includes	· ·				
685	A Triglycerides	В	Protein	D		
	C Waxes	D	All of the above			
	Which constituent in the cell has a high rate of utilization as	ene	rgy?			
686	A Carbohydrates	В	Proteins			
	C Fats	D	Amino acid			
	Electrolytes are especially essential to which cells.					
687	A Nerve	В	Muscle	С		
	C Both	D	None of them			
	What percent solution of NaCl is considered isotonic to man	nma	lian RBCs.			
688	A 0.80%	В	0.85%	В		
	C 0.90%	D	0.95%			
	Which trans-membrane movement involves carriers	_				
689	A Facilitated diffusion	В	Both	В		
	C Active transport	D	None of them			
		-	·			

690	The speed of entry of glucose is greatly increased by			В
	A Oxytocin	B	Insulin	
	C Glucagon	D	Thyroxin	
	Select a fat-soluble vitamin:			
691	A Ascorbic acid	B	Tocopherol	В
	C Thiamine	D	Riboflavin	
	If a bathing fluid has higher osmotic pressure than the cell	it is c	called:	
692	A Hypertonic	B	Hypotonic	А
	C Isotonic	D	All	
	Crenation of Red cell occur, in			
693	A Hypertonic	B	Hypotonic	А
	C Isotonic	D	All	
	The small spherical organelles attached to rough endoplasn	nic re	ticulum are called	
694	A Vesicles	B	Vacuoles	С
	C Ribosome	D	Polysomes	
	Number of grams of solute per 1000 gm of solvent is called	1:		
695	A Normal solution	B	Molar solution	В
	C Molal solution	D	Simple solution	
	Which ion is found in greater concentration outside the cell	!?		
696	A . K	B	Na	В
	C · Cl	D	HCO ₃	
	Rough endoplasmic reticulum is involved in the synthesis of	of		
697	A Glycogen	B	Protein	В
	C Steroids	D	Lipids	

698	Enzymes involved in krebs cycle are localized in					
	A . Ribosomes	В	Polysomes			
	C . Mitochondria	D	Golgi bodies			
	Lysosomas are abundant in					
699	A . RBCs	В	WBCs	В		
	C Platelet	D	All			
	Following nucleotides are called pyrimidine					
700	A Adenine	В	Cytosine	В		
	C Guanine	D	All			

		Subject (Cell Biology) 701-800 M	ЛС	Q's	Answe r Key	
701)	In	eukaryotic cells, the mitotic apparatus is comp	ose	l of		
	A.	two centrosomes and spindle microtubules	B	Both	A	
	<u>С.</u>	Tubulin Protein	D.			
702)	N	itrogenous bases of RNA are			С	
		uracil and adenine	Β.	uracil, adenine, guanine and cytosine		
	C.	B thymine and uracil	D.	D thymine, adenine, guanine and cytosine		
703)	Wł	nich of the following is true about Mitochondria	?		D	
	A.	Mitochondria contains DNA.	Β.	Mitochondria helps to convert energy from food molecules into usable energy and stored as adenosine triphosphate molecules.		
	C.	It is rod-shaped	D.	All of these		
704)	No	Nobel prize for RNA synthesis was awarded to				
	A.	A. Kornberg	B.	S. Ochoa		
	C.	H. Khorana	D.	Nirenberg		
705)		are structures which provide adhesion ar			В	
	A.	Gap junction	Β.	Intercellular Junction		
		Trans-membrane protein		Extra cellular metrix		
706)		/hich of the following is <u>not</u> found in the cell m			D	
	A.	Cholesterol	В.	Phospholipids		
		Protein	D.	Nucleotide		
707)		otein synthesis occurs at the		-	D	
	A.	Mitochondria	В.	Lysosomes		
	C.	Within the nucleus	D.	Ribosomes		
708)	0	xygen enters a cell via?	1	1	A	
	A.	Diffusion	B.	Filtration		

	C.	Active transport	D.	Osmosis		
709)	709) Many substances are removed from the cell to outside by					
	Α	Pinocytosis	B	Phagocytosis	_	
		Chemotaxis	-	Exocytosis		
710)		is is not the function of plasma membrane	P ·		D	
,		Energy transduction	Β.	Responding to external stimuli		
		Intercellular interactions		Assisting in chromosome segregation		
711)		he appearance of which of the following distingu			В	
		DNA	Β.	Protein		
	C.	Nucleus	D.	RNA		
712)	Th	ne major interaction responsible for stabilizing	g p	lasma membrane	А	
	A.	Hydrophobic interaction	B.	Hydrophilic interaction	_	
	C.	Covalent bond	D.	Ionic Bond		
713)	3) A chromosome consists of the DNA and					
	A.	Gene	B.	Protein		
	C.	Lipid	D.	Carbohydrates		
714)	T	he fluid matrix inside the cell is called			В	
	A.	Neoplasm	B.	Cytoplasm		
		Endoplasm		Golgi apparatus	_	
715)	lor	a carriers are located in			А	
	A.	Plasma membrane	Β.	Cell membrane		
		Nucleus	D.	Rough Endoplasmic reticulum		
716)	C	ytosol is the part of the			В	
	A.	Receptor	Β.	Cytoplasm	_	
		Channel	-	Integral Protein		
717)	[n	the plasma membrane, lipid molecules are ar	ran	ged in	D	
	A.	Series	Β.	Alternate		
	C.	Scattered	D.	Head parallel		
718)	Sin	ce the liver cells detoxify drugs, they most likely	y ha		A	
	A.	Smooth endoplasmic reticulum	Β.	Nuclei		
	C.	Golgi apparatus	D.	Lysosome	1	
719)	Gly	ycocalyx is associated with			A	
		Cell wall	Β.	Nucleus		

1	C. Plasma Membrane	D.	Ribosome	
720)	Cristae are associated with?			A
/=0/	A. Mitochondria	B.	Vacuole	
	C. Cytoplasm		Ribosomes	_
721)	Calcium efflux from the ER associated with?			С
,	A. Cell wall	B.	Nucleus shrink	_
	C. Beta cell death		Ribosomes	_
722)	Sodium and potassium pumps are examples of			В
	A. Passive transport	B.	Active transport	_
	C. Plasmolysis		Osmosis	
723)	Cell theory is applicable to:			А
	A. Virus	B.	Fungi	
	C. Micro-organism		Algae	
724)	Which among the following is known as mitopla			A
,	A. Mitochondria without outer membrane	B.	Mitochondria without membranes	
	C Mitochondria without inner membrane	D.	Another name for mitochondria	
705)				D
125)	Cell drinking is:	Ь		В
	A. Exocytosis		Pinocytosis	_
700	C. Endocytosis	D.	Phagocytosis	0
726)	Centrioles take part in the formation of	Ь	NT	C
	A. Cell plate		Nucleus	
1	C Spindle	D	To start call division	
727)	C. Spindle The term cell was given by	D.	To start cell division	A
727)	The term cell was given by		-	A
727)	The term cell was given by A.Robert Hooke	B.	Schwann	A
	The term cell was given by A. Robert Hooke C. Tatum	B.	-	
	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as	B. D.	Schwann De Bary	A
	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast	В. D. В.	Schwann De Bary Cytoplast	
728)	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast	В. D. В. D.	Schwann De Bary	A
	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast Microfilaments are composed of a protein called	B. D. B. D. d	Schwann De Bary Cytoplast Amyloplast	
728)	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast Microfilaments are composed of a protein called A. Tubulin	B. D. B. D. d	Schwann De Bary Cytoplast Amyloplast Myosin	A
728)	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast Microfilaments are composed of a protein called A. Tubulin C. Actin	B. D. B. D. d B. D.	Schwann De Bary Cytoplast Amyloplast	A
728)	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast Microfilaments are composed of a protein called A. Tubulin C. Actin Glycolipids in the plasma membrane are located	B. D. D. d B. d at	Schwann De Bary Cytoplast Amyloplast Myosin Chitin	A
728)	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast Microfilaments are composed of a protein called A. Tubulin C. Actin Glycolipids in the plasma membrane are located A. Inner leaflet of the plasma membrane	B. D. B. D. d B. D.	Schwann De Bary Cytoplast Amyloplast Myosin Chitin The outer leaflet of the plasma membrane	A
728) 729)	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast Microfilaments are composed of a protein called A. Tubulin C. Actin Glycolipids in the plasma membrane are located A. Inner leaflet of the plasma membrane C. Evenly distributed in the inner and outer	B. D. D. d B. d at	Schwann De Bary Cytoplast Amyloplast Myosin Chitin	A
728) 729) 730)	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast Microfilaments are composed of a protein called A. Tubulin C. Actin Glycolipids in the plasma membrane are located A. Inner leaflet of the plasma membrane C. Evenly distributed in the inner and outer leaflets	B. D. B. D. d B. D. at B. D.	Schwann De Bary Cytoplast Amyloplast Myosin Chitin The outer leaflet of the plasma membrane	A C B
728) 729) 730)	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast Microfilaments are composed of a protein called A. Tubulin C. Actin Glycolipids in the plasma membrane are located A. Inner leaflet of the plasma membrane C. Evenly distributed in the inner and outer leaflets Lysosomes are known as "suicidal bags" because	B. D. D. d B. D. d B. D. at B.	Schwann De Bary Cytoplast Amyloplast Myosin Chitin The outer leaflet of the plasma membrane It varies according to cell types	A
728) 729) 730)	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast Microfilaments are composed of a protein called A. Tubulin C. Actin Glycolipids in the plasma membrane are located A. Inner leaflet of the plasma membrane C. Evenly distributed in the inner and outer leaflets Lysosomes are known as "suicidal bags" because A. Parasitic activity	B. D. d B. D. d B. D. at B. B.	Schwann De Bary Cytoplast Amyloplast Myosin Chitin The outer leaflet of the plasma membrane It varies according to cell types Hydrolytic activity	A C B
728) 729) 730) 731)	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast Microfilaments are composed of a protein called A. Tubulin C. Actin Glycolipids in the plasma membrane are located A. Inner leaflet of the plasma membrane C. Evenly distributed in the inner and outer leaflets Lysosomes are known as "suicidal bags" because A. Parasitic activity C. Presence of food vacuole	B. D. D. d B. D. at B. D. e B.	Schwann De Bary Cytoplast Amyloplast Myosin Chitin The outer leaflet of the plasma membrane It varies according to cell types Hydrolytic activity Catalytic activity	A C B B
728) 729) 730) 731)	The term cell was given by A. Robert Hooke C. Tatum The membrane around the vacuole is known as A. Tonoplast C. Elaiplast Microfilaments are composed of a protein called A. Tubulin C. Actin Glycolipids in the plasma membrane are located A. Inner leaflet of the plasma membrane C. Evenly distributed in the inner and outer leaflets Lysosomes are known as "suicidal bags" because A. Parasitic activity	B. D. B. D. d B. D. at B. D. e B. D. mem	Schwann De Bary Cytoplast Amyloplast Myosin Chitin The outer leaflet of the plasma membrane It varies according to cell types Hydrolytic activity Catalytic activity	A C B

733) A cell without a cell wall is termed as		С
A. Tonoplast	B. Symplast	
C. Protoplast	D. Apoplast	
734) The function of centrosome is		А
A. Formation of spindle fibers	B. Secretion	
C. Osomoregulation	D. Protein synthesis	
735) Which cell organelle is involved in apoptosis?		D
A. Lysosome	B. Golgi	
C. Endoplasmic Reticulum	D. Mitochondria	
736) Distribution of intrinsic proteins in the plasma r		В
A. Random	B. Asymmetrical	
C. Symmetrical	D. None	
737) Which of the following cell organelles is abs	sent in animal cells and present in a plant cell?	В
A. Cell wall	B. Vacuoles	
C. Cytoplasm	D. Mitochondria	
738) Which of the following cell organelles does	not contain DNA?	С
A. Nucleus	B. Chloroplast	
C. Lysosomes	D. Mitochondria	
739) Which of the following cell organelles is call	led the powerhouse of the cell?	D
A. Nucleus	B. Chloroplast	
C. Lysosomes	D. Mitochondria	
740) Which of the following cell organelles regulated cell?	tes the entry and exit of molecules to and from the	В
A. Lysosomes	B. Cell membrane	
C. Golgi bodies	D. Mitochondria	
	es, structure, functions and its organelles.	С
A.Biology	B. Microbiology	
C. Cell Biology	D. Biotechnology	
742) is involved in the synthesis of		В
A. Mitochondria	B. Endoplasmic reticulum	
C. Cytoplasm	D. Smooth endoplasmic reticulum	
743) Which of the following is a single membrane		Α
A.Vacuole	B. Endoplasmic reticulum	
C. Golgi apparatus	D. All of the above	
744) Which of the following statements is true at		D
A. It is a sac-like organelle	B. It is located near the nucleus	
C. It helps in transporting the particles through the cell	Out D. All of the above	
745) Cell wall is mainly composed of		В
A. Lipid	B. Cellulose	-
C. Starch	D. Protein	1
746) Which of the following cell organelles is absent		A

	A.	Cell wall	Β.	Vacuoles	
	C.	Cytoplasm	D.	Mitochondria	
747)	The	e elements that present in Protoplasm			С
	A.	Carbon, Hydrogen	Β.	Carbon, Nitrogen, and Oxygen	
	C.	Carbon, Hydrogen, Nitrogen, and Oxygen	D.	Helium, Carbon, Oxygen	
748)	The	e study of the structure and composition of cells	is c	alled	Α
	A.	Cytology	B.	Ecology	
	C.	Anthology		Phenology	
749)	W	/hich of the following cell organelles contains RI	NA	?	D
	Δ	Mitochondria	R	Plastids	
		Lysosomes	_	Ribosomes	
750)		That is the site of ribosome in a living cell?	<u>.</u>	Ribbbonies	D
	A.	Endoplasmic reticulum	Β.	Golgi bodies	
	C.	Plasma membrane		Nucleolus	
751)	W	/hich of the following cell organelles is absent in	pl	ant cells but present in animal cells?	В
	A.	Nucleus	B.	Centrosome	
	C.	Golgi bodies	D.	Plastids	
752)	W	which of the following statements is true about the		5	D
	A.	It is a sac-like organelle	Β.	It is located near the nucleus.	
		It helps in carrying the particles throughout the cell	D.	All of the above	
753)	The	e total number of chromosomes in a normal hum	an	being is	В
		23		46	
	C.	53	D.	26	
754)	Pig	ments containing bodies that are bounded by the	m	embrane are called	D
		Chlorophyll	Β.	Hemoglobin	
	C.	Chloroplast	D.	Plastids	
755)	Αc	chromosome consists of DNA and			В
	A.	Gene	Β.	Protein	
	C.	Lipids	D.	Carbohydrates	
756)	T	he Golgi complex is responsible for transporting.	, m	odifying, and packaging	В
		DNA		Protein and lipids	
		RNA		None of them	
757)	T	he number of specialized cells in the human body	y is	approximately	C
	A.	300 types	Β.	210 types	
	C.	200 types		250 types	
758)		e rRNA is Synthesized by			В
		Golgi body	Β.	Nucleolus	

C. Nucleus	D	Cytoplasm				
759) Sodium and Potassium Pumps are Examples of _			D			
A. Plasmolysis	B.	Osmosis				
C. Passive transport	D	. Active transport				
760) Identify the Longest Cell in the Human Body fro			Α			
A. Nerve cells		Bone cells				
C. Gland cells		Muscle cells				
(61) Which of the Below Option is/are Examples of a			D			
A. Uterus only	Β.	Bronchi only				
C. Iris of eye	D	All of the above				
(62) On the Below-Given List, which One Includes	the B	lood Tissue?	Α			
A. Muscle tissue		Connective tissue				
C. Nervous tissue		Epithelial tissue				
763) Identify the Structure of the Plant Cell, which is			D			
A. Nucleus	B.	Cytoplasm				
C. Mitochondrion	D	. Cell wall				
4) According to cell theory						
A. All cells have nuclei	B	All cells have nuclei				
C. Cells, are fundamental units of all the living organisms	D	Cells arise from pre-existing cells				
(65) The nucleus of a prokaryotic cell is represented b	by		В			
A.A well-defined nuclear membrane	B	Double stranded circular DNA				
C. Nucleolus only	D	Single stranded DNA				
(66) Physical basis of life is						
A.Nucleus	B	Protoplasm				
C. Cell		Nutrition				
767) The largest cell organelle is			D			
A. Nucleus	B	Endoplasmic reticulum				
C. Mitochondria	D					
(68) Which of the following requires energy?			В			
A.Diffusion	B	Active transport				
C. Osmosis		Facilitated diffusion				
(69) Which of the following is not found in the cell m			D			
A. Cholesterol	B	Protein				
C. Phospholipids	D	Nucleic acids				
70) Glycolipids in the plasma membrane are located			В			
A. Inner leaflet of the plasma membrane		The outer leaflet of the plasma membrane				
Evenly distributed in the inner and outer	D	It maries according to call truncs				
C. leaflets		It varies according to cell types				
71) Microfilaments are composed of a protein called			С			
A. Tubulin	B	Myosin				
C. Actin		Chitin				
72) The properties of integral membrane proteins car	n be s	tudied by	С			

	A.	Atomic force microscopy	B.	Cryo-sectioning and electron microscopy	
	C.	Freeze-fracture technique and electron	D.	All of the above	
		microscopy			
		e fluidity of the plasma membrane increases with	1		A
	A.	Increase in unsaturated fatty acids in the	Β.	Increase in saturated fatty acids in the	
		membrane		membrane	
	C.	Increase in glycolipid content in the	D.	Increase in phospholipid content in the	
		membrane		membrane	
774)	The	e resting potential membrane is determined by			A
	A.	Potassium-ion gradient	B.	Bicarbonate-ion gradient	
	C.	Sodium-ion gradient	D.	None	
775)	The	e function of the centrosome is			Α
	A.	Formation of spindle fibers	Β.	Osmoregulation	
	C.	Secretion	D.	Protein synthesis	
776)	W	/hich cell organelle is involved in apoptosis?			D
		Lysosome	B.	Golgi	
		Endoplasmic reticulum		Mitochondria	
777)			wit	hin a cell, that has a specific function.	В
,	A.	Cell		Organelle	
		Tissue		Organ system	
778)	W/ł	hat is the strongest cell in human body?			A
110)		Stem cell	R	Cardiac cell	
	-	Somatic cell		Muscle cell	
770)		e smallest known cells are a group of tiny bacteri			A
(())			ас В.	Mycobacterium	
	<u>л</u> . С	Cephalosporin	р. П	Virus	
780)	C. Th	e process where a single cell divides into two ide	p. nti		A
/80)				Telophase	
	-	Meiosis		Interphase	
701)	-		μ.	Interpliase	
		A replication occure in	Ь	C2 Dhogo	A
				G2 Phase	
700)		G Phase	D.	M Phase	
/82)		karyotic cells normally range between	–		A
	A.	10–100µm	B.	<u>1–80μm</u>	
	C.	10–60µm	D.	<u>1–70µm</u>	
783)		is a jellylike substance found float	ing	g inside the plasma membrane.	
	A.	Cell sap	B.	Karyoplasm	— C
		Cytoplasm		Mitochondria	
784)		st translational modification take place in	<u> </u>		D
/01/		Nucleus	B	Endoplasmic reticulum	
	_	Mitochondria	<u>р</u> .	Endoplasmic reticulum and Golgi	—
785)		Il physiology includes application of most of law	<u>ب،</u> ۲۰٬۰		С
105)				Chemistry	
	А.	Diology	υ.	Chennistry	

	C. Physics and Chemistry	D	Physics		
786)	Protoplasm is made up of except:			D	
	A. Water	B	Amino acid		
	C. Polysaccharide	D	Vacoule		
787)	What constitute has a high rate of utilization as e	nerg	v?	В	
,	A. Carbohydrates		Fats		
	C. Proteins	D	Water		
788)	Electrolytes are especially essential to which cells	s.		В	
	A.Nerve		Both		
	C. Muscle	D	None of them		
789)	Which trans-membrane movement involves carr	tiers'	2	С	
	A. Facilitated diffusion	B	Active transport		
	C. Both	D	None of them		
'90)	A definite shape given to the cell is by			D	
	A. Ribosome	B.	Nucleus		
	C. Cell wall	D	Cell membrane		
'91)	Cellulose, pectin and hemicelluloses together make up to form a				
	A. Primary wall	B	Tertiary wall		
	C. Middle wall	D	Secondary wall		
92)	Human mitochondrial DNA is:			D	
	A. Circular	B	Single standard		
	C. Self-replicating	D	Double standard		
'93)	What is the main function of nucleolus			А	
	A. Ribosomal RNA synthesis	B	DNA Replication		
	C. Cell division	D	Chromosome assembly		
'94)	Microfilaments are mainly composed of a protein	call	ed	А	
	A. Actin	B	Myosin		
	C. Tubulin		Chitin		
95)	Which of the following is associated with the stru	ictur	e of Golgi complex?	С	
	A. Cristea	B	Annuli		
	C. Cisternae	D			
96)	The subunits of prokaryotic ribosome are			D	
,	A. 60S+40S	B	70S+40S		
	C. 60S+30S		50S+30S		
97)	Smooth endoplasmic reticulum is the site of			D	
,	A. Protein synthesis	B	Carbohydrate's synthesis		
	C. Amino acid synthesis		Lipid synthesis		
98)	In higher plants, the shape of the chloroplast is			А	
- /	A. Discoid	B	Gridle shaped		
	C. Cup shaped		Ribbon shaped		
'99)	move through these sites (from A to P	to E	<i>t</i>) as they deliver amino acids during translation	А	
	A.ItRNAs	B	rRNA		

	C.	mRNAs	D.	Proteins	
800)	Mc	ost plasma membranes consist of approximately _		percent protein and lipids.	А
	A.	50% and 50%	Β.	50% and 30%	
	C.	30% and 50%	D.	40% and 50%	

Subj	ect: Biostatistics and Computer Applications (801-900)		Answer Key				
801)	Which of the following values is used as a summary me	easure fo	or a sample, such as a sample mean?	C				
	A. Population parameter	В.	Sample parameter					
	C. Sample Statistic	D.	Sample mean					
802)	Which of the following is a branch of statistics?			С				
	A. Descriptive	В.	Inferential					
	C. Both	D.	None					
803)	The control charts and procedures of descriptive statistic	cs which	n are used to enhance a procedure can be classified into	В				
	which of these categories?							
	A. Behavioral tools	В.	Statistical Tools					
	C. Serial tool	D.	Industry Statistics					
804)	Which of the following can also be represented as samp	le statis	tics?	D				
	A. Lowercase Greek letters	В.	Associated Roman alphabets					
	C. Uppercase Greek letters	D.	Roman letters					
805)	To which of the following options do individual respondence	dents, fo		А				
	A. Primary data source	В.	Secondary data source					
	C. Itemized data source	D.						
806)	What are the variables whose calculation is done according to the weight, height, and length known as?							
	A. Flow chart variables	В.	Discrete variables					
	C. Measuring variables	D.						
807)	Which method used to examine inflation rate anticipation	on, unen	nployment rate, and capacity utilization to produce	С				
	products?							
	A. Data exporting technique	В	Data importing technique					
	C. Forecasting technique	D.	Data supplying technique					
808)								
	A. Descriptive statistics	В.	Business statistics					
	C. Education statistics	D.	Social statistics					
809)	What is the scale applied in statistics, which imparts a d	lifferenc	e of magnitude and proportions, is considered as?	D				
	A. Exponential scale	В.	Satisfactory scale					
	C. Goodness scale	D.	Ratio scale					
810)	The work statistic in German means		•	В				
· ·	A. Calculation	В.	Government					
	C. Math's	D.	Classification					
811)	The application of statistical methods in biology is calle	ed	·	С				
	A. Statistics in biology	В.	Statistics in vivo					
	C. Biostatistics	D.	None of these					
812)	Biostatistics is also called as		·	А				
	A. Biometry	Β.	Statistics in biology					
	C. Bio numerology	D.	All of these					
813)	Who is regarded as the father of biostatistics		·	С				
, i	A. Fischer	В.	Karl Pearson					
	C. Francis Galton D. Francis Bacon							
814)	The term 'biometry' was coined by	•		D				
· ·	A. Fischer	В.	Karl Pearson					
	C. Francis Galton	D.	Walter Weldon					
815)	The branch of biostatistics that deals with methods of co	ollection		В				
,	A. Inferential biostatistics	В.	Descriptive biostatistics					
	C. Both	D.	None					
816)	The branch of biostatistics that deals with testing of hyp			A				
	A. Inferential biostatistics		Descriptive biostatistics					
I		- ·	I to I to a summaria	I				

1	C. Both	D. None			
817)	In biostatistics, group of individuals taken for stud		В		
01/)	A. Block	B. Population	2		
1	C. Group	D. flock			
818)	The characteristic or quantity that may vary from or		В		
010)	A. Static group	B. Variable			
	C. Dynamic group	D. Dynamism			
819)	Variables whose values can be expressed numerical	5	А		
017)	A. Quantitative variables	B. Qualitative variables			
	C. Absolute variables	D. Continuous variables			
820)	Color of the animal or human is a:	D. Continuous variables	В		
020)	A. Quantitative variables	B. Qualitative variables	D		
	C. Absolute variables	D. Continuous variables			
821)	Variables whose values cannot be expressed nume		В		
021)	A. Quantitative variables	B. Qualitative variables	D		
	C. Absolute variables	D. Continuous variables			
822)	Quantitative variables that have only fixed or finite		В		
022)	A. Quantitative variables that have only fixed of finite	B. Discrete variables	D		
	C. Absolute variables				
002)		D. Continuous variables			
823)	Height of students in a class is a:		D		
	A. Quantitative variables	B. Qualitative variables			
00.4	C. Absolute variables	D. Continuous variables			
824)	Quantitative variables that can have any numerical		D		
	A. Quantitative variables	B. Qualitative variables			
	C. Absolute variables	D. Continuous variables	В		
825)					
	A. Quantitative variables	B. Discrete variables			
	C. Absolute variables	D. Continuous variables			
826)	Standard error is due to:		C		
	A. Normal distribution of means	B. Observer variation			
	C. Sampling error	D. Variation of the readings			
827)	In order to find out whether there is significant asso		A		
	A. Co-efficient of correlation	B. Co-efficient of regression			
	C. Standard deviation	D. Standard error			
828)	If we know the value of one variable and wish to kn		D		
	A. Geometric mean	B. Co-efficient of correlation			
	C. Standard error of mean	D. Co-efficient of regression			
829)	Normal distribution curve depends upon:		D		
	A. Mean and Median	B. Median and Standard deviation			
	C. Mean and Sample	D. Mean and Standard deviation			
830)	Normal curve in statistics is:		С		
	A. Linear	B. Asymmetrical			
	C. Symmetrical	D. Curvilinear			
831)	Central value of a series is known as:		D		
,	A. Mean	B. Median			
	C. Mode	D. Average			
832)	All of the followings are measures of Central tender		В		
,	A. Arithmetic Mean	B. Median			
	C. Mode	D. Average			
833)	Root means square deviation denotes:	P. F	А		
,	A. Standard deviation	B. Standard error			
	C. Mean standard deviation	D. All of these			
	C. Lizenii Dimitoniu uv imitoli	p, r m or mede			
834)	The value of probability falls between:		С		

	C. 0-1	D.	0-10			
835)	Randomization is:			(С	
	A. Mixing controls with cases	Β.	Mixing different types of controls			
	C. Statistical procedure of allocating participants into study	D.	Selecting characteristics of case group			
	and control groups					
836)	Use of double blind trial is:				В	
	A. To avoid false negative results	Β.	Avoid subject bias			
	C. Increase true negatives	D.	Avoid observer bias			
837)	The numerator is not a component of denominator				С	
	A. Rate	Β.	Proportion			
	C. Ratio	D.	None of these			
838)	Which of the following data is not measurable?				А	
	A. Nominal	Β.	Ordinal			
	C. Discrete	D.	Continuous			
839)	A number of letter that appears little above the normal text	is c	alled?		А	
,	A. Superscript	B.	Super text			
	C. Subscript	D.	Top text			
840)	Name the Desktop database application that is part of MS Of	fice	suit.		А	
	A. MS Access	B.	MS PowerPoint			
		_	None of the above			
	C. MS Excel	D.				
841)	Which one is the spreadsheet application that comes with MS	S Of	fice software group?			
,	A. MS Word	B.	MS PowerPoint			
	C. MS Excel	D.	MS Access			
842)	To go to a specific location in a document we use :				В	
0.2)	A. Macro	B.	Bookmark		D	
	C. HTML	D.	None of the above			
843)						
010)	A. Photo editor	R	Picture editor			
	C. Photo manager	D.	Picture manager			
844)	A feature of MS Office that saves the document automatically	v əf			В	
0)	A. Save	-	Auto save	D		
	C. Save as		None of the above			
845)	What was the HTML editor that was part of Microsoft Office				С	
045)	A. Web page		Explorer		C	
	C. Front page	р. П	None of the above			
846)	Which feature is used to make selected sentence to All Capita	р. 11			٨	
840)	A. Change case	аг L В.			A	
	C. Change letter	р. П	Change word			
847)	In Ms word, a master document contains of subdocu	р. uma	5			
047)	A. Placeholder	B.	Links		В	
	C. Files	D.	Same data as		D	
010)		<u>р</u> .			D	
848)			spacing between lines of a paragraph.		D	
	A. Alignment	<u>B</u> .	Indentation			
0.40	C. Effects	μ.	Line spacing		D	
849)	Which option use to open recent file?	_	0.1.0		В	
	A. Ctrl+R	Β.				
0.50	C. Ctrl+F	μ.	Ctrl+N		D	
850)	All caps to selected text in MS Word is applied with?	F			В	
	A. Alt+shift+A	Β.				
	C. shift+A	D.				
851)	Which feature starts a new line whenever a word or sentence	ce re			В	
	A. Text Line	В.	Text Wrapping			
	C. New Line	D.	Text Align			

852)	Text-styling feature of MS word is?			С		
002)	A. Word color	B.	Word font			
	C. Word art	D.	Word fill			
853)	What is the keyboard shortcut key for Save As?	P .		С		
,	A. Ctrl + F12	B.	Alt+ F12			
	C. F12	D.	Shift + F12			
854)	Which items are placed at the end of a document			D		
,	A. Footer	Β.	Header			
	C. Foot note	D.	End note			
855)	You can edit existing Excel data by pressing the:	key?		С		
,	A. F1 Key		F3 Key			
	C. F2 Key		F4 Key			
356)	The Greater Than sign is an example of operation			С		
	A. Arithmetic		Conditional			
	C. Logical		Greater			
357)	Which function displays row data into column or column data			В		
	A. Hyperlink		Transpose			
	C. Index	D.				
358)	Move to Next Sheet in Ms Excel:	p.		Α		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	A. Ctrl + Page Down	B.	Page Down			
	C. Shift + Page Down	D.	None of the above			
359)	With which of the following all formulas in excel starts ?	р.				
,,,,,	A. /	B.	\$	D		
	C *	D.				
360)	In MS Excel to delete duplicate values which menu is used					
,00)	A. Data		Layout	A		
	C Tools	<u> </u>	Formatting			
361)						
,01)	A. 65534, 16384	B	1048576, 10423	C		
	C. 1048576, 16384	<u> </u>	1000321, 136384			
362)	Ordinal level data are characterized by:	μ.	1000521, 150504			
,02)	A. Equal intervals between each adjacent score	B.	Data that can be meaningfully arranged by order of			
	A. Equal intervals between each adjacent score	р.	magnitude	В		
	C. A fixed zero	D	None of the above			
363)	For what is the 'variable view' in IBM SPSS's data editor u					
,05)	A. Entering data		Viewing output from data analysis	D		
	C. Writing syntax		Defining characteristics of variables			
(64)	Which of the following best describes the variable 'Gender		Defining characteristics of variables			
,0-	A. A between-group variable		A grouping variable	D		
	C. A coding-group variable		All of the above			
(65)	Which of the numbers below might IBM SPSS report as 10.574 E–05?					
(05)	A. 0.00010574		1057400.0	A		
	C. 10.569	D.	0000.10574			
66)	Which of the numbers below might IBM SPSS report as 8.9			С		
,00)	A. 89.60		0.008960			
	C. 8960.0	<u>р.</u> D.	8.960			
67)	What is advantage of using SPSS over calculating statistics			С		
57)	A. This is how most quantitative data analysis is done in		It reduces the chances of making errors in your			
	real research nowadays	р.	calculations			
	C. It equips you with a useful transferable skill	D.	All of the above	_		
(0)	SPSS what is the data viewer?	μ.		С		
		D	A dialog box that allows you to choose a statistical			
868)	A A table summarizing the trequencies of data for and			1		
568)	A. A table summarizing the frequencies of data for one variable	р.	analysis			

869)	How is variable name different from a variable label?			А		
	A. It is shorter and less detailed	B.	It is abstract and unspecific			
	C. It is longer and more detailed		It refers to codes rather than variable			
870)	What does operation "Recode into different variable" do to t			В		
,	A. Replaces missing data with some random scores	В.	Redistributes a range of values into a new set of categories and creates a new variable			
	C. Reverse the position of the independent and dependent variables on a graph	D.	Represents the data in the form of a pie chart			
871)	How would you use the drop-down menus in SPSS to genera	ate a	frequency table?	С		
	A. Open the output viewer and click Save As; Pie Chart	Β.	Click on: Graphs; frequencies; Pearson			
	C. Click on: Analyze; descriptive statistics; frequencies	D.	Open the variable view viewer and recode the value table			
372)	When cross-tabulating two variables, it is conventional to:			С		
	A. Represent the independent variable in rows and	Β.	Assign both the dependent and independent variables in			
	dependent variables in columns		columns			
	C. Represents the dependent variable in row and	D.	Assign both the dependent and independent variables in			
	independent in column		rows			
873)	In which sub-dialog box can the Chi square test to be found?			А		
	A. Crosstabs: Statistics	Β.	Gender; Female			
	C. Bivariate: Pearson	D.	Frequencies; Percentage			
374)	Which of the following statements about nominal data is true	e?		С		
	A. Nominal data have magnitude	Β.	Nominal is a synonym for 'continuous'			
	C. Nominal data are categorical		All nominal variables are dichotomous			
375)	SPSS uses the term 'Scale' to refer to			В		
	A. Categorical data	Β.	Both interval and ratio level data			
	C. Both nominal and ordinal level data		All of these choices			
(76)	'SPSS' stands for			А		
/	A. Statistical Package for the Social Sciences	B.	Social Package for the Statistical Sciences			
	C. Scientific Package for the Social Sciences		Social Package for the Social Sequentials			
77)						
,	A. George Washington University	B.	Harvard University	С		
	C. Pennsylvania State University					
378)						
,	statistics and drawing graphs by hand			A		
	A. Accurate, Reliable,	В	Indefinite, Trustworthy			
	C. Reliable, vague		Accurate, Uncertain			
79)	Statistical software are			А		
())	A. SPSS, Minitab, Win-pepi	В	SPSS, Minitab, Spreadsheet			
	C. SPSS, tabulation		SPSS, Pi-chart, Win-pepi			
80)						
.00)	A. 0 to n	B.	-1 to +1	D		
	$\frac{1}{C} \cdot \frac{1}{0} \cdot \frac{1}{0} \cdot \frac{1}{0} = 0$	D.	$-\infty$ to $+\infty$			
81)	Which of the following is true about normal curve			D		
01)	A. Symmetrical	B	Bell shaped	D		
	C. Unimodal		All of the above			
82)	A type II error occurs when the researcher:	μ.		А		
02)						
	A. Fail to reject the null hypothesis when it is falseB. Reject the null hypothesis when it is falseC. Fail to reject the null hypothesis when it is trueD. Reject the null hypothesis when it is ture					
83)	C. Fail to reject the null hypothesis when it is true A quantitative statement about a population is called:	μ.	rejeet me nun hypomesis when it is tute	D		
(60	A. Research hypothesis	В.	Composite hypothesis	D		
	C. Simple hypothesis		Composite hypothesis Statistical hypothesis			
01			Statistical hypothesis	С		
384)						
	A. Level of confidence C. Level of significance		Power for the test Level of rejection			

	A. S	B.	MATLAB			
		D.	SAS			
886)	R language has superficial similarity with	μ.	51 15	С		
000)	A. C	В.	Python	C		
	C. MATLAB		SAS			
887)	What is the mode of "a" in the following R code A< - C (1."a			В		
507)	A. Numeric	-	Integer	D		
	C. Character	-	Logical			
388)	How many atomic vector types does R have?	μ.	Logical	С		
000)	A. 5 B. 8					
	A. 5 C. 6					
00)						
89)	What is the function of set row names for a data frame?	b		А		
	A. row.names()	-	Col.names()			
	C. Colnames()	D.	Column name cannot be set for a data frmae			
90)	R is an environment that helps in data	L		А		
	A. Manipulation, statistical computing, graphics display, and data analysis	В.	Manipulation, statistical computing, and data analysis			
	C. Manipulation, graphics display, and data analysis	D.	Statistical computing and data analysis			
91)	The latest update to the R language, is now available for dow			В		
)	A. R 3.6. 2,		R 4.0.5			
	C. R 2. 8.7		R 3.8.1			
92)						
,,_)	A. Ross Ihaka and Robert Gentleman		Ross Ihaka and Robert Gentleman	A		
	C. Shake and Throw		Ross Ihaka and Robert Gentleman			
93)	All of the following increase the width of a confidence int			С		
33)	A. Increased confidence level B. Increased Variability					
	C. Increased commence level	-	Decreased Sample Size			
0.4)				D		
94)	The statement that " $P(A B) = P(B A)$ whenever A and B a hose provided below	Ie I	independent events is. Please select the best answer of	D		
		Ь	Not Ensuch Informations and models have if A			
	A. Always True	р.	Not Enough Information; we would need to know if A			
		<u> </u>	and <i>B</i> are disjoint events			
	C. Never True	D.	Not Enough Information; we would need to know if the events are equally likely			
(95)						
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	pelow		on ing, i loube beleet ale best allower of allose provided	D		
	A. The probability of failing to reject the null hypothesis,	Β.	The probability that the null hypothesis is true, given			
	given the observed results		the observed results			
	C. The probability that the observed results are	D.	The probability of observing results as extreme or more			
	statistically significant, given that the null hypothesis is		extreme than currently observed, given that the null			
	true		hypothesis is true			
96)	Green sea turtles have normally distributed weights, measu	red		С		
/	49.0. A particular green sea turtle's weight has a z-score o			-		
	the nearest whole number.		6			
	A. 17 kg	Β.	118kg			
	C. 151 kg	_	252kg			
97)	What percentage of measurements in a dataset fall above the			D		
	A. 49%		51%	~		
	C. 50%	D.	Cannot be counted			
		_ · ·		D		
981						
98)	F) are equally likely outcomes when quessing on any on	(F) are equally likely outcomes when guessing on any one of the questions. What is the probability of guessing on				
98)						
398)	(F) are equally likely outcomes when guessing on any on each of the 9 quiz questions and getting more than one of the A. 0.998	he '				

	The proportion of variation in 5k race times that can be explained by the variation in the age of competitive male runners was approximately 0.663. What is the value of the sample linear correlation coefficient? Round to 3 decimal places.					
	A. 0.663	Β.	-0.814			
	C. 0.814	D.	0.44			
900)	Using all of the results provided, is it reasonable to predict	the	5k race time (minutes) of a competitive male runner 73	D		
	years of age?					
	A. Yes; linear correlation between age and 5k race times is	Β.	Yes; both the sample linear regression equation and an			
	statistically significant		age in years is provided			
	C. No; linear correlation between age and 5k race times is	D.	No; the age provided is beyond the scope of our			
	not statistically significant		available sample data			

	Subject: Microbiology	MCQS 901-1000	Answer Key	
901)	Which was the first Veterinary School		A	
	A. Lyon, 1761	B. School of veterinary Medicine, 1761		
	C. Royal Veterinary School, 1761	D. None of these		
902)	Quarantine was first introduced by		А	
	A. Lancisi, physician to Pope Clement XI from Rinderpest	B. lazaretto		
	C. Santa Maria di Nazareth	D. None of these		
903)	First animal virus and was identified by &		А	
,		B. FMD, Lancisi and Frech		
	C. Rinderpest, Loeffler and Frosch	D. Rinderpest, Lancisi and Frech		
	Disease which does not produce any overt clinical sign		А	
		B. Chronic Infection		
		D. Latent Infection		
	Study of outbreaks in avian population is known as		А	
		B. Epornology		
		D. None of these		
	Epidemiology involves observing and recording disease		A	
		B. Transitional	Π	
		D. None of these	_	
	is the study of cause, distribution and control of disease		٨	
			A	
		B. Surveillance	_	
		D. Incidence		
	is an examination of aggregation of units		A	
		B. Endemic	_	
		D. Cohort study	A	
909)	9) Survey records events occurring at a particular point of time			
		B. Investigational study		
		D. Cohort study		
	Unit of an epidemiologist		A	
		B. Agent		
		D. All of these		
	is the identification of undiagnosed cases of disease usir		А	
	A. Screening	B. Incidence		
		D. None of these		
	is the making of routine observation on health, production of these observations	n and environmental factors and recording and dissemination	А	
		B. Survey	7	
	C. Screening	D. Incidence		
913)	investigate relationship between disease and hypothetic		А	
		B. Investigational study		
		D. Cohort study		
914)	is comparison of exposed group with non-exposed group		А	
,		B. Retrospective study		
		D. Incidence		
915)			A	
		B. Pathogen		
	C. Incidence	D. None of these	-	
			٨	
	Survey records events occurring for a long period of time	D Investigational study	A	
	8	B. Investigational study	_	
	C. Retrospective	D. Cohort study	<u> </u>	
917)	Factors are associated with the definite onset of disease	•	A	

	A. Precipitating factors	В.	Independent factors		
	C. Variable	D.	None of these		
918)	Constant occurrence of disease in a population or usual frequency of occurrence of disease is known as				
	A. Endemic		Pandemic		
	C. Epidemic	D.	None of theses		
919)	Sudden unpredictable number of cases in a population			С	
,	A. Endemic	Β.	Pandemic		
	C. Epidemic	D.	None of theses		
920)	Widespread epidemic			В	
,	A. Endemic	Β.	Pandemic		
	C. Epidemic	D.	None of theses		
921)	Irregularly and haphazardly occurring diseases are known as		ł 	D	
- /	A. Endemic		Pandemic		
	C. Epidemic		Sporadic		
922)	Amount of disease in a population is given by	·		А	
,	A. Morbidity	B.	Diagnosis		
	C. Mortality	D.			
923)	Amount of death in a population is given by	<u> </u>	1	С	
	A. Morbidity	В	Diagnosis		
	C. Mortality		Fatality		
924)	Time of occurrence of a disease constitutedistribution	μ.	r many	А	
)24)	A. Temporal	R	Spatial	11	
	C. Prevalence		Incidences	-	
025)	Place of occurrence of disease constitutedistribution	μ.	Inclucieus	В	
923)	A. Temporal B. Spatial				
	C. Prevalence		Incidences		
026)				С	
920))is the number of instances of disease or related attribute in a known population at designated time, without distinction				
	of new and old cases	Ь	Crastial	-	
	A. Temporal		Spatial		
007)	C. Prevalence D. Incidences				
927)	is the number of new cases occurring in a known popul			D	
	A. Temporal		Spatial		
	C. Prevalence		Incidences		
928)	is the proportion of cases of a contagious disease that d			A	
	A. Secondary attack rate		Incidence	-	
	C. Primary attack rate	D.	None of these		
929)	ΡαΙΧ			A	
	A. D (duration)		Intervale		
	C. Distance	D.	None of these		
930)	is more intensive form of data recording			Α	
	A. Surveillance	Β.	Cohort study		
	C. Incidence	D.	None of these		
931)	Total mortality rate of all disease is known as			Α	
	A. Death rate	Β.	Mortality		
	C. Case fatality	D.	Morbidity		
932)	Map where line joining equal morbidity rate is and mortality rate is				
	A. Isomorbs, isomorts	Β.	Isomer, Isomorate		
	C. Ascendance, ascendance rate		Isomorbs, Isomorb rate		
933)	is any characteristic that affects the health of a populat	ion		А	
	A. Determinant		Prevalence		
	C. Incident		None of these		
934)	Epidemiological triads are, &	•		Α	
	A. Host, agent and environment	B.	Host, environment		

935)	Ability of organism to cause disease in a particular	host, in terms	of severity is known as	А	
,	A. Virulence		Hot spot		
	C. Pathogenicity		None of these		
936)	is quality of disease induction			С	
/	A. Virulence	В.	Hot spot		
	C. Pathogenicity		None of these		
937)	Sites within genome that frequently mutate	F * F		В	
,	A. Virulence	B.	Hot spot	2	
	C. Pathogenicity		None of these		
938)	Infection of susceptible host without overt clinical			А	
, ,	A. Inapparent infection		Persistent infection		
	C. Carrier		Chronic infection		
939)	is any animal sheds an agent without clinical			С	
,,,	A. Inapparent infection		Persistent infection		
	C. Carrier		Chronic infection		
9/0)	Animal which excretes agents during incubation pe			А	
740)	A. Incubatory carrier		Incidence Carrier	11	
	C. Chronic carrier		All of these		
0/1)	Climate comprises of normal component we			A	
74 1)	A. Macro		Pathogen	A	
	C. Micro	D.	None of these		
042)	Infection transmitted from one segment of population			•	
942)	A. Horizontal transmission		Generation time	A	
0.42)	C. Vertical transmission		Extrinsic incubation period	0	
943)	Infection transmitted from one generation to next g			C	
	A. Horizontal transmission		Generation time		
0.1.1)	C. Vertical transmission		Extrinsic incubation period	В	
944)	is the period between infection and maximum infectiousness				
	A. Horizontal transmission		Generation time		
	C. Vertical transmission		Extrinsic incubation period		
945)	Fime between infection and availability of agent in			D	
	A. Horizontal transmission		Generation time		
	C. Vertical transmission		Extrinsic incubation period		
946)	relates the amount of organism required to in			A	
	A. Infectivity		Phase variation		
	C. Stability		None of these		
947)	The length of time for which and organism can ren	nain infective o	utside its host is known as the	C	
	A. Infectivity	В.	Phase variation		
	C. Stability	D.	None of these		
948)	Switch from virulence to non-virulence			В	
,	A. Infectivity	В.	Phase variation		
	C. Stability		None of these		
949)	Rain forest are described as whereas deciduo			А	
	A. Megatherms and mesotherms		Rainology, exhibiting		
	C. Thermoform, forestry		None of these		
950)	is the natural restriction where animal can re-			А	
)	A. Home range		Group behavior		
	C. Territory		Niche		
				С	
951)	Part of the animal home range that it detends agare			č	
951)	Part of the animal home range that it defends aggree		Group behavior		
951)	A. Home range	В.	Group behavior		
	A. Home range C. Territory	В. D.	Niche		
	A. Home range	B. D. n control was tl	Niche	B	

953) W	Which is the functional position of an animal in an ecosyste	em?		D		
	A. Home range		Group behavior			
	C. Territory					
	voidance of competition is usually inanimals	<u>F`</u>	F	А		
· · · ·	A. Sympatric animals	B.	Biotope			
	C. Biocenosis		Anthropurgic			
	Which is the smallest spatial unit providing uniform condit			В		
	A. Sympatric animals		Biotope			
	C. Biocenosis		Anthropurgic			
	Collection of all living organism in a biotope is known as		i intinopui Bio	С		
	A. Sympatric animals		Biotope	_ ~		
	C. Biocenosis		Anthropurgic			
	Ian-made ecosystem	μ.	rinnopurgie	D		
· · ·	A. Sympatric animals	P	Biotope			
	C. Biocenosis		Anthropurgic			
	unction of two ecosystem is known as	D.	Anunopurgic			
		b	Distant	A		
	A. Ecological interface		Biotope			
	C. Biocenosis		Anthropurgic			
	is the modified patch of vegetation, created by man,			A		
	A. Ecological mosaic		Landscape epidemiology			
	C. Nidi		Nosogenic area			
	tudy of disease in relation to ecosystem in which they are			В		
	A. Ecological mosaic		Landscape epidemiology			
	C. Nidi	D.	Nosogenic area	С		
	1) Foci of infection					
	A. Ecological mosaic		Landscape epidemiology			
	C. Nidi D. Nosogenic area					
962) <mark>A</mark>	2) An area that has ecological, social, and environmental condition that can support a disease is known as					
	A. Ecological mosaic	Β.	Landscape epidemiology			
C	C. Nidi	D.	Nosogenic area			
963)	is a nosogenic territory in which a particular disease	is pres	sent	D		
A	A. Ecological mosaic	Β.	Landscape epidemiology			
C	C. Nidi	D.	Noso-area			
64) [f	f all animal in a population is surveyed, then it is known as	.s	-	А		
	A. Census		Landscape epidemiology			
	C. Ecological mosaic	D.	Noso-area			
	f relative risk is more than one it denotes			А		
	Positive statistical association between factor and					
P	A. disease	В.	No statistical association between factor and disease			
_	, Negative statistical association between factor and	_				
C	disease	D.	None of these			
66)	is the decrease in mortality and morbidity		1	А		
	A. Control	B.	Eradication			
	C. Vaccination and quarantine	D.	Convalescent carriers			
	Examples for primary prevention	P.		С		
	A. Control	R	Eradication			
	C. Vaccination and quarantine	<u> </u>	Convalescent carriers			
	Animal which excretes agents during recovery period is kn	μ_{0}		D		
	A. Control		Eradication			
		<u>В.</u>				
	C. Vaccination and quarantine	μ.	Convalescent carriers	n		
	Extinction of an agent A. Control	В.	Eradication	B		

	nfection and therefore be at risk of developing disease is know			
-	A. Pre-emptive slaughtering	-	Eradication	
	C. Vaccination and quarantine Proportion of animals that are resistant to infection or disease		All of these	٨
	A. Herd immunity		Pre-emptive slaughtering	А
	C. Individual immunity		All of these	
	Coch's postulates were derived by using which bacterium?	р.	All of these	А
	A. Bacillus anthracis	B	Vibrio parahaemolyticum	A
-	C. Pasteurella multocida		None of these	
	Xanagawa reaction is exhibited by	μ.	None of these	В
	A. Bacillus anthracis	R	Vibrio parahaemolyticum	D
-	C. Pasteurella multocida		None of these	
	Father of Microbiology	р.	wone of these	А
	A. Louis Pasteur	R	Robert Koch	Π
	C. Edward Jenner		None of these	
	Father of Bacteriology	μ.		В
	A. Louis Pasteur	В	Robert Koch	Б
	C. Edward Jenner		None of these	
	Smallpox vaccine was developed byin the year1796	<u> </u>		С
· · ·	A. Louis Pasteur	В	Robert Koch	C
	C. Edward Jenner		None of these	
	Rabies vaccine was first done on	р.		А
· · · ·	A. 6 July 1885	В	6 July 1875	
	C. 6 July 1895		6 July 1865	
	Loeffler and Frosch shares the credit of discovery of	μ.	0.0019 1000	D
	A. FMD Virus	В	Picornaviridae	D
	C. Aphthovirus	-	All of these	
	nstrument used to perform the Polymerase Chain Reaction	р.		А
	A. Thermocycler	Β.	Hot plate	
	C. ELISA reader	D.	Water bath	
	Bacteria was first time identified byin	р.		А
	A. Antoni van Leeuwenhoek, 1676	Β.	Louis Pasteur, 1885	
	C. Robert Hooke, 1665		None of these	
	Who described the fruiting structures of molds in	р.		С
	A. Antoni van Leeuwenhoek, 1676	Β.	Louis Pasteur, 1885	C
	C. Robert Hooke, 1665		None of these	
	The first cholera pandemic occurred in the	p.		А
	A. Bengal region of India, in 1817	B.	African region, in 1717	
	C. Bengal region of India, in 1917		None of these	
	Chikungunya is a viral disease transmitted to humans through			А
	vas first described during an outbreak in		3. 3. 3.	
	A. Southern Tanzania in 1952	B.	African region, in 1717	
-	C. Bengal region of India, in 1817		None of these	
	Epidemiologic studies can be used for many reasons, commo			D
	uggesting potential causes of a disease.	5		_
	A. The frequency	Β.	Existence	
Ċ	C. The distribution		All of these	
85)			ease in groups of easily identified people such as workers	В
	t a particular factory or attendees at a wedding			_
	A. Surveillance	Β.	Retrospective-cohort study	
	C. Incidence		None of these	
	Number of COVID-19 cases reported in Pakistan till 09-09-2			А
· · / E	A. 1.19 million		19 million	

C. 1.19billion	D.	19 billion	
987) Coronavirus disease (COVID-19) was first reported from -		-on 31 December 2019	А
A. Wuhan	В.	Korea	
C. Italy	D.	None of these	
988) In humans, fungal infections occur when an invading fungu	ıs take	s over an area of the body and is too much for the immune	А
system to handle. Fungi can live in the		-	
A. Air, soil, water, and plants	В.	Soil, water, and Plants	
C. Air, water	D.	Air, water, and Plants	
989) Chicken infectious anemia (CIA) is an immunosuppressive			D
globally. This disease is caused by chicken anemia virus (C	CAV), a	an icosahedral and single-stranded DNA virus that is	
ransmitted both			
A. Vertically and horizontally		Mother to of spring and Horizontal	
C. Transstadial and vertical		All of these	
990) Nicolle and Manceaux first described the Toxoplasma in 19	908, af	fter they observed the parasites in the blood, spleen, and	А
iver of a North African			
A. Rodent		Feline	
C. Human		Monkies	
991) Humans commonly acquire Toxoplasma gondii infection b			А
	gesting	g the encysted stage of the parasite (tissue cysts) in infected	
meat	Ь	Estine west sul-	
A. Ingesting food and water		Eating meat only	
C. Ingesting offal		None of these	•
992) The first Asiatic cholera pandemic or Asiatic cholera Out A. 1820		*	А
C. 1720		1920 2020	
993) The first great plague pandemic to be reliably reported occu			С
A. 1820		1920	C
C. 1720		2020	
994) Spanish flu was the first of three flu pandemics caused by H			В
A. 1820		1920	D
C. 1720		2020	
995) COVID-19 Pandemic occur in	P.	2020	D
A. 1820	В	1920	D
C. 1720		2020	
996)an anesthesiologist, is famous for his investigation			А
known as the father of modern epidemiology			
A. John Snow	B.	Louis pasture	
C. Robert Koch		None of these	
997) Fetanus bacteria live in and it can also be found ir			А
A. Soil and manure		Grass and water	
C. Water and Soil		None of these	
998) The risk of death from tetanus is highest among people of	I		А
A. 65 years old or older	B.	All age groups	
C. Young ones		Adults of 35-45 years	
999)are the most commonly reported syndromes of f			А
A. Gastroenteritis and hepatitis		Renal syndrome and hepatitis	
C. Gastroenteritis and Renal syndrome		None of these	
1000 In Pakistan, waterborne diseases are typhoid, giardiasis, int			А
gastroenteritis. Infant deaths caused by water-related diarrh			
Conservation of Nature (IUCN) report, which is the highes			
A. 60%		30%	
C. 50%	D.	40%	