QUESTION BANK OF BOTANY FOR ADMISSION TEST

1)	Fusion of two haploid cells, gametes or gamete nuclei to form a diploid zygote is					
	A. Double fertilization on B. Parthenogenesis					
	C. Fertilization option D. Fragmentation option					
2)	Psilotum is the only species whose gametophyte contain	В				
_/	A. Root hairs B. Vascular tissues					
	C. Red pigment D. Stem hairs					
3)	Asexual reproductive structure which develops into a new individual in bryophytes is:	D				
3)	A. Elator B. Holdfast					
	C. Rhizoid D. Gammae cup					
4)	Male reproductive organ of Charophyta is:	В				
7)	A. Nucule B. Globule	⊣ "				
	C. Funicule D. Basidium	_				
5)	Each aerial shoot of <i>Tmesipteris</i> exhibitdichotomy	A				
3)	A. one B. two	- A				
	C. three D. four					
	In Lycophytes, megaspore developed into					
6)		A				
	A. Megagametophyte B. Microgametophyte	_				
	C. Spore D. Filament					
7)	Entire division of Lycophytes consists of genera	C				
	A. two B. four					
	C. five D. six					
8)	Water bodies such as pond or lake that do not flow are called as:	В				
	A. Lotic B. Lentic					
	C. Benths D. Plankton					
9)	A fungus containing symbiotic algae					
	A. Lichen B. Moss					
	C. Liverwort D. Mycorrhiza					
10)	A single spore formed from the contents of a cell	A				
	A. Monospore B. Haplospore					
	C. Tetraspore D. Zoospore					
11)	Scale-like outgrowth devoid of vascular tissues is known as	С				
,	A. Scale B. bract					
	C. enation D. leaf					
12)	Fungus component of lichen partnership	A				
1-/	A. Mycobiont B. Phycobiont	= '-				
	C. Haplobiont D. Diplobiont					
13)	Association between hyphae of a fungus and root of a plant is:	С				
13)	A. Actimucetes B. Parasite	\dashv				
	C. Mycorrhizae D. Bryophyte					
14)	Sexual reproduction involving the fusion of a large non-motile egg with a small motile sperm is:					
14)	A. Anisogamy B. Isogamy	C				
	C. Oogamy D. Parthenogenesis	_				
15\	Number of orders in water ferns is	D				
15)		В				
	A. one B. two					
4.6\	C. three D. four					
16)	Distinct metabolically active intracellular structure surrounded by one or more envelops and have its	В				
	own genome is:	\dashv				
	A. Contractile vacuole B. Organelle					
	C. Golgi body D. Pyrenoid					
17)	Organisms that obtain energy by absorbing and metabolising nutrients are:	C				
	A. Heterotrophs B. Auxotrophs					
	C. Osmotrophs D. Phototrophs					
18)	The earliest known progymnosperms species with heterospory is	C				

	A. Psilotum B. Fern	
	C. Chauleria D. Tmesipteris	
19)	Pollen grain formation is a key feature which make waterfor fertilization	В
	A. Necessary B. Un-necessary	
	C. Available D. non of them	
20)	Organism that lives on or inside the body of a different organism and obtains nutrients from it	A
ŕ	A. Parasite B. Auxotroph	
	C. Autotroph D. Myxotroph	
21)	A thallus comprised of unspecialized cells having the ability to grow in all planes is:	A
,	A. Parenchymatous B. Trichomatous	
	C. Sclerophyllos D. Chlorophyllous	
22)	Complex carbohydrates found in the cell wall are:	В
	A. Middle lamella B. Pectin	
	C. Cuticle D. Waxes	
23)	In mosses the dominant generation is	A
23)	A. Gametophyte B. Sporophyte	
	C. Vegetative stage D. Adult stage	
24)	Mode of heterotrophic nutrition involving ingestion of particles	D
<i>2 1)</i>	A. Phototrophy B. Heterotrophy	
ı	C. Auxotrophy D. Phagotrophy	
25)	Organisms using light as a energy source and CO ₂ as principal carbon source	С
23)	A. Chemotrophs B. Heterotrophs	
	C. Photoautotroph D. Parasites	
26)	Movement of an organism towards the light source is called as:	В
20)	A. Chemotaxis B. Phototaxis	- Б
	C. Fluorotaxis D. Phyllotaxy	
27)	Photoautotrophic component of lichen partnership is:	
27)		A
	A. Phycobiont B. Mycobiont C. Photobiont D. Skotobiont	
20)		D
28)	In Ferns the dominant generation is	В
ì	A. Gametophyte B. Sporophyte C. Vegetative stage D. Adult stage	
20)		-
29)	In Gymnosperms the dominant generation is	В
	A. Gametophyte B. Sporophyte	
	C. Vegetative stage D. Adult stage	
30)	Free floating microscopic organisms are popularly called as:	D
	A. Banthods B. Submerged	
	C. Epipsemmic D. Plankton	
31)	Fusion of protoplasts of two cells without fusion of nuclei	C
	A. Karyogamy B. Anisogamy	
	C. Plasmogamy D. Isogamya	
32)	Cytoplasmic, photosynthetic pigmented organelle or its non-photosynthetic derivative are called:	A
	A. Plastids B. Chromatids	
	C. Spores D. Plasmids	
33)	In Angiosperms the dominant generation is	В
	A. Gametophyte B. Sporophyte	
	C. Vegetative stage D. Adult stage	
34)	Cell or organism composed of cells lacking a membrane-bound nucleus, histones and organelles is	A
	called as:	
	A. Prokaryote B. Eukaryote	
	C. Mitochondrion D. Chloroplast	
35)	Filamentous or plate-like structure produced by germinating spore is:	В
	A. Holdfast B. Protonema	
	C. Rhizoid D. Capsule	

36)	Megasporangia produce megaspores that give rise to	A
30)	A. Female gametophyte B. Male gametphyte	
	C. Sporophyte D. Resting spore	
37)	Proteinaceous structure inside some plastids meant for starch formation is:	A
31)	A. Pyrenoid B. Inner membrane	
	C. Grana D. Stroma	
38)	Thick walled spores, which are resistant to extremes of environments are:	С
30)	A. Monospore B. Aplanospores	
	C. Resting spore D. Akinetes	
39)	Microsporangia produce megaspores that give rise to	В
37)	A. Female gametophyte B. Male gametphyte	
	C. Sporophyte D. Resting spore	
40)	A carotenoid unique to siphonaceous algae is:	В
40)	A. Violaxanthin B. Siphonoxanthin	B
	C. Neoxanthin D. Zeaxanthin	
41)	Microorganisms capable of living and surviving in the soil is:	С
41)	A. Edaphophyte B. Epipsemmic	
	C. Soil-borne D. Mesophyte	
42)	Seed bearing plants which do not have flowers are known as	В
42)	A. Angiosperms B. Gymnosperms	В
	C. Pteridophytes D. Bryophtyes	
12)	A resistant spore surrounded by a silicified wall formed in members of Chrysophyta is:	D
43)	1 , 1 ,	D
	A. Aplanospore B. Akinete C. Polyspore D. Statospore	
4.45	J. F.	
44)	Seed bearing plants which flowers are known as	A
	A. Angiosperms B. Gymnosperms C. Pteridophytes D. Bryophtyes	
45)	The state of the s	
45)	Gymnosperms have been originated aboutmillion years ago	В
	A. 300 B. 319 C. 335 D. 355	
1.6		
46)	In Gymnosperms leaves are	C
	A. Wide B. Oval shape	
	C. Needle like D. Round form	
47)	In Gymnosperms male cone is found at of tree	В
	A. On top B. at bottom	
	C. in middle D. Equally distributes	
48)	Structure in which tetraspores are formed	D
	A. Carposporangium B. Antheridium	
	C. Archegonium D. Tetrasporangium	
49)	In Gymnosperms female cone is found atof tree	A
	A. On top B. at bottom	
	C. in middle D. Equally distributes	
50)	Hard covering enclosing the protoplasm of cell e.g. in Bacillariophyta is:	C
	A. Silicalemma B. Plasmalemma	
	C. Theca D. Pectin	
51)	Organisms that can tolerate high temperature (45-65 °C) is called as:	A
	A. Thermophilic B. Mesophillic	
	C. Non-thermic D. Halophillic	
52)	Aggregation of similar cells, which are structurally and functionally organized is:	С
	A. Colony B. Symbosis	
	C. Tissue D. Organ	
53)	A row of cells without the sheath (in Cyanophyta) is called as:	D
	A. Filament B. Colony	

	C. Tissue	D.	Trichome		
54)	Sporangium composed of a single cell produ			Λ	
34)	A. Unilocular sporangium	B.	Bilocular sporangium	A	
	C. Pleurilocular sporangium	D.	Monocarpic sporangium		
<i>55</i> \	1 6		wionocarpic sporangium	0	
55)	A structure containing uredospores is called		0	C	
	A. Telitium	В.	Soridium		
	C. Uredinium	D.	Basidium		
56)	In angiosperms, sporophyte generation is		lp. 1 . 1	В	
	A. Haploid	В.	Diploid		
	C. Triploid	D.	Polyploid		
57)	In gymnosperms, gametophyte generation is		1	В	
	A. Haploid	В.	Diploid	_	
	C. Triploid	D.	Polyploid		
58)	The order of gymnosperms which contain al	ll the foss		A	
	A. Bennettitales	В.	Cycadales		
	C. Ginkgoales	D.	Coniferales		
59)	Which of the following order contain single	species?		С	
	A. Bennettitales	B.	Cycadales		
	C. Ginkgoales	D.	Coniferales		
60)	Which of the following order contains all the li	ving forn	ns?	D	
ŕ					
	A. Bennettitales	В.	Cycadales		
	C. Ginkgoales	D.	Gnetales		
61)	In cycadales the stems are			C	
	A. Dichotomously branched	В.	Simple branched		
	C. Unbranched	D.	Complex branching		
62)	The tallest tree belongs to				
ĺ	A. Angiosperms	B.	Gymnosperms		
	C. Pteridophytes	D.	Bryophtyes		
63)	A flagellated asexual spore of algae is called	l as:		С	
/	A. Aplanospore	B.	Monospore		
	C. Zoospore	D.	Nanospore		
64)	Diploid nucleus or cell produced by the fusion	of haploi	1	В	
0.,	individual	orp.101	to delication and destined to develop into a new	_	
	A. Protonema	В.	Zygote		
	C. Aplanospore	D.	Haplospore		
65)	The oldest tree belongs to	Ρ.	Timp roop or c	В	
03)	A. Angiosperms	B.	Gymnosperms	. D	
	C. Pteridophytes	D.	Bryophtyes		
66)			nd erect more openly branched filaments on the	С	
00)	substrate is called:	o basai a	nd elect more openly branched maments on the	C	
	A. Creeping	В.	Undifferentiated		
	C. Heterotrichous	D.	Colony		
(7)				D	
67)	Characteristic shape or appearance of an inc			В	
	A. Habit	В.	Morphology	1	
(0)	C. Development	D.	Growth		
68)	Number of species in <i>Ephedra</i> is		les.	В	
	A. 50	В.	65	_	
	C. 75	D.	82		
69)	Number of wild gymnosperm species in Pak			В	
	A. 15	В.	17		
	C. 25	D.	32		
70)	Basal portion of sporophyte in bryophytes that	attached	to the gametophyte is:	В	
. 0)	A. Seta	B.	Foot	1	

	C. Capsule D. Paraphysis	
71)	Whorl of petals is known as	В
	A. Calyx B. Corolla	
	C. Androecium D. Gynoecium	
72)	Whorl of sepals is known as	A
	A. Calyx B. Corolla	
	C. Androecium D. Gynoecium	
73)	Pattern of arrangement of leaves on stem is called	D
1	A. Stipule B. Adaxial	
	C. Abaxial D. Phyllotaxy	
74)	If leaf lamina is segmented into more than one plane then leaf is known as	В
	A. Simple leaf B. Compound leaf	
	C. Bract leaf D. Cauline leaf	
75)	Living organisms at organelle level of organization are	A
ĺ	A. a. Bacteria B. Lichens	
	C. Bryophytes D. Pteridophytes	
76)	Photosynthetic pigments that absorb light energy and transfer it to a reaction center of chlorophyll a:	В
ĺ	A. Primary pigments B. Accessory pigments	
	C. Water soluble pigments D. Tertiary pigments	
77)	A thick walled resting spore is called as:	В
,,,	A. Zoospore B. Akinete	Ь
	C. Aplanospore D. Heterospore	
78)	The protoctists comprising several groups that are simple in form, producing energy through	С
76)	photosynthesis and lack true tissue differentiation of the body are called:	C
	A. Bacteria B. Viruses	
	C. Algae D. Pteriodophytes	
79)	Male sexual structure in algae, fungi and bryophytes is:	A
19)	A. Anthredium B. Archegonium	Λ
	C. Soridium D. Coidium	
80)	Leaf like structures of the sporophyte that bear spores are called	A
(30)	A. Sporophylls B. Sporophyte	Λ
	C. Sporangium D. Heterospore	
81)	Union of two nuclei both derived from a single parent is called as:	D
81)	A. Heterogamy B. Polygamy	D
	C. Multigamy D. Autogamy	
82)	Larger sporophylls are known as	В
04)	A. Microphylls B. Megaphylls	ъ
	C. Aplanospore D. Zoospore	
83)	System of nomenclature introduced by Linnaeous, composed of two names; the first as genus and second	В
03)	by stem of nomenciature introduced by Linnaeous, composed of two names; the first as genus and second the species is called as:	Д
	A. Mononomial B. Binomial	
	C. Trinomial D. Polynomial	
94)	Phenomenon of production of light by living organisms is:	Λ
84)		A
05)	1	D
85)	Yellow, orange or red light harvesting pigments soluble in organic solvents are:	В
	A. Chlorophylls B. Carotenoids C. Physical systems by Physical Ph	
0.63	C. Phycocyanins D. Phycoerythnrin	
86)	Diploid spore produced in carposporangium in red algae are:	C
	A. Telitosprore B. Basidiospores	
0.5	C. Carpospore D. Tetraspores	
87)	Larger sporophylls are known as	В
1	A. Microphylls B. Megaphylls	

	C. Aplanospore D. Zoospore	
88)	Pteridophytes were originated aboutmillion years ago	С
	A. a. 300 B.	\dashv
	C. 420 D. 420	
89)	Number of phyla in Pteridophyta is	В
0))	A. 2 B. 4	
	C. 6 D. 8	
90)	Multinucleate condition of the filament without cross walls is known as:	A
, ,	A. Coenocytic B. Septate	
	C. Elongate D. Flattened	
91)	Psilopsida is a group of living plants comprising oforder	A
/	A. one B. two	
	C. three D. four	
92)	Psilopsida is a group of living plants comprising offamily	A
- /	A. lone B. two	
	C. three D. four	
93)	Fusion of two non-flagellated gametes is called as:	В
/	A. Heterogamy B. Conjugation	
	C. Parthenogenesis D. Budding	
94)	Psilopsida is a group of living plants comprising ofgenera	В
<i>></i> .,	A. One B. two	
	C. Three D. four	
95)	Hygroscopic cell or band usually attached to the spore e.g. in Bryophyta is called:	A
,,,	A. Elator B. Venter	
	C. Paraphysis D. Spore	
96)	Colony of algal cells in a specific arrangement and number that does not increase once mature is:	A
, 0,	A. Coenobium B. Filamentous	
	C. Uniseriate D. Multiseriate	
97)	Plants inside another plant are called as:	D
/	A. Exophytes B. Hydrophytes	
	C. Mesophytes D. Endophytes	
98)	Number of species is <i>Psilotum</i> is	В
/	A. One B. two	
	C. Three D. four	
99)	Externally borne spore not necessarily resistant to adverse conditions is:	С
/	A. Monospores B. Endospores	
	C. Exospores D. Polyspores	
100)	Gametophytes of <i>Psilotum</i> are	В
/	A. long and branched B. Short and branched	
	C. short and unbranched D. long and unbranched	
101)	are the region of cells capable of division and growth in plants	С
- /	A. Pith B. Medulla	
	C. Meristems D. Stroma	
102)	In trees and shrubs is responsible for increase in girth	В
- /	A. Apical meristems B. Lateral meristems	
	C. Intercallery meristems D. None of these	_
103)	In the monocots forms a protective tube around the emerging shoots	В
100)	A. Coleorhizae B. Coleoptile	7
	C. Funicle D. Placentas	
104)	Primary growth in plants is brought about by the	A
1 ()4 1		
104)	A. Apical meristems B. Lateral meristems	

105)	forms between the xylem and phloem in vascular bundles					
	A. Vascular cambium	B.	Cork cambium			
	C. Both a & b	D.	None			
106)	In plants, dermal system is composed of the		that forms the outer protective	С		
	covering of the plant					
	A. Cortex	B.	Pith			
	C. Epidermis	D.	Endodermis			
107)	is the outermost layer of apical mer	istem	which develops into epidermis or epidermal tissue	Α		
,	system					
	A. Protoderm	B.	Procambium			
	C. Pericycle	D.	Pith			
108)	Histogen theory was proposed by			В		
,	A.) Nagelli	B.	Henstein			
	C. Hafmeister	D.	Schuepp			
109)	Presence of casparian strips is characteristic of			С		
/	A. Cortex	В.	Pith			
	C. Endodermis	D.	Epidermis			
110)	The best method to determine the age of tree is	<u> </u>	1	В		
110)	A. to count the number of leaves	В.	to count the number of annual rings	_		
	C. to measure its diameter	D.	to find out the number of branches			
111)	Which of the following give rise to cork tissue?		of this out the homost of crunenes	A		
111)	A. Phellogen	B.	Periblem	7 1		
	C. Periderm	D.	Phelloderm			
112)	Tunica corpus theory is connected with	Ρ.	i nenoderni	С		
112)	A. Root apex	В.	Root cap	C		
	C. Shoot apex	D.	Secondary growth			
113)	Cork cambium and vascular cambium are	υ.	Secondary growth	С		
113)	A. parts of secondary xylem and phloem	B.	parts of pericycle	C		
	C. lateral meristem	D.	apical meristem			
114)	Organisation of stem apex into corpus and tunica	a is de	etermined mainly by	A		
	A. planes of cell division	B.	regions of meristematic activity			
	C. rate of cell growth	D.	rate of shoot tip growth			
115)	What is true about a monocot leaf?		1 2	С		
- /	A. Reticulate venation	B.	Absence of bulliform cells from epidermis			
	C. Mesophyll not differentiated into palisade and spongy tissues	D.	Well differentiated mesophyll			
116)	An organized and differentiated cellular structure	havin	g cytoplasm but no nucleus	С		
,	A. Vessels	В.	Xylem parenchyma			
	C. Sieve tubes	D.	Tracheids			
117)	Bordered pits are found in			В		
,	A. Sieve cells	B.	Vessel wall	D		
	C. Companion cells	D.	Sieve tube wall			
118)	Which of the following plant cells will show toti			С		
110)	A. sieve tubes	B.	xylem vessels	C		
	C. meristem	D.	cork cells			
119)	Sclerenchymatous bundle sheath is present in	ρ.	COIR COIIS	A		
117)	A. Grasses	В.	Mango	A		
	C. Jaman	D.	None of these			
120)	Vessels are found in	υ.	avone of these	n		
120)		D	most of engioenomes and four comme	В		
	A. all angiosperms and some gymnosperm	В.	most of angiosperms and few gymnosperms			
	C. all angiosperms, all gymnosperms and	D.	all pteridophyta			
	some pteridophyta	1	·			

	A. a) alpine region	В.	cold winter regions		
				_	
	C. temperature climate	D.	tropics		
122)	The combination of a dye and its mordant is call		D (f"	D	
	A. Gelatin	В.	Paraffin	_	
100)	C. Resin	D.	Lake		
123)	The preferentially stains lignificant and preference and			A	
	A. Safranin C. Sudan Black B	В.	Fast green None of these	_	
124)		D.	None of these		
124)	Which of the following is complex tissue?	D	Phloem	C	
	A. Xylem C. Both a & b	В. D.	None of these	_	
105)	Pith and cortex do not differentiate in	υ.	None of these	+ ,	
125)		D	Dicot stem	A	
	A. a) Monocot stem C. Monocot root	B. D.	Dicot stem Dicot root	_	
100		D.	Dicot foot	- -	
126)	Bordered pits are found in	_	X7111	В	
	A. Sieve cells	В.	Vessel wall		
	C. Companion calls	<u> </u>	Sieve tube wall	_	
127)	C. Companion cells A seed is a mature	D.	Sieve tube wall	- C	
127)		Þ	Overv	C	
	A. Female gametophyte C. Ovule	B. D.	Ovary Ovulate cone	_	
120)	In hydrophytes like <i>Eichorrnia</i> , buoyancy is due	Γ.			
128)				C	
	A. Collenchyma	В.	Sclerenchyma		
120)	C. Aerenchyma	D.	Phloem	A	
129)	is a type of parenchyma where cells are elongated with tapering ends				
	A. Prosenchyma	В.	Chlorenchyma	_	
120)	C. Sclerenchyma	D.	Aerenchyma		
130)	Death of protoplasm is a pre-requisite for a vital			A	
	A. transport of sap	В.	transport of food	_	
121)	C. absorption of water Sieve tubes are suited for translocation of food be	D.	gaseous exchange		
131)			no ends walls	D	
	A. bordered pits C. no protoplasm	В. D.		_	
122)	1 1		broader lumen and perforated cross walls		
132)	Out of diffuse porous and ring porous woods, whi			C	
	A. ring porous wood, carries more water for short period	В.	diffuse porous wood carries more water		
	C. ring porous wood carries more water when	1 D	diffuse porous wood is less specialised but	-	
	need is higher	1 D.	conducts water rapidly throughout		
133)	Monocot leaves possess		possess mater rapidly unoughout	A	
155)	A. intercalary meristem	В.	lateral meristem	- '	
	C. apical meristem	D.	mass meristem	7	
134)	Vascular cambium produces			В	
154)	A. primary xylem and primary phloem	В.	secondary xylem and secondary phloem	⊣ "	
	C. primary xylem and secondary phloem	D.	secondary xylem and secondary phloem	7	
135)	A bicollateral vascular bundle is characterized by		prince	D	
155)	A. phloem being sand-witched between	В.	transverse splitting of vascular bundle		
	xylem			4	
10.5	C. longitudinal splitting of vascular bundle	D.	xylem being sand-witched between phloem	1	
136)	Abnormal/anomalous secondary growth occurs in			A	
	A. Dracaena	В.	ginger		
107	C. wheat	D.	sunflower		
137)	Which exposed wood will decay faster?			A	

A. sapwood	В.	softwood	
	D.	heartwood	
	_	In	A
	D.	Epidermis	
			C
	D.	Vessel elements	
	_		D
U	D.	Axile	
	1		A
A. bundles	В.	All tissues external to endodermis	
	D.	Epidermis and cortex	
		_	В
	B.		
	D.	Spiral	
			D
A. irregular in shape	В.	convex in shape	
C. long and cylindrical in shape	D.	kidney- shaped	
There are extensive stomata on the upper surface	of lea		С
A. Geophytes	B.	bryophytes	
C. Hydrophytes	D.	xerophytes	
	nce o	f	A
A. stomata	B.	cortex	
C. lignin	D.	pith	
The pore, guard cell and subsidiary cell form			В
A. stomatal apparatus	B.	stomatal complex	
C. both a & b	D.	None of these	
			A
	4	anomocytic	
			D
Parenchyma cells perform which of following func	tions'.	?	D
Parenchyma cells perform which of following func A. meristematic	tions?	storage	D
Parenchyma cells perform which of following func A. meristematic C. Transport	tions B.	storage all of these	
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known.	tions: B. D. own a	storage all of these	D B
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known as a context of the contex	tions: B. D. Own a	storage all of these us xylary fibers	
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known as a contract of the contrac	B. D. Dwn a B. D.	storage all of these ss xylary fibers None of these	В
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known A. extraxylary fibers C. both a & b Sclereids are sometimes called	B. D. Dwn a B. D. cells	storage all of these ss xylary fibers None of these	
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known A. extraxylary fibers C. both a & b Sclereids are sometimes called A. hard	B. D. D. D. D. Cells	storage all of these us xylary fibers None of these s Stone	В
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known A. extraxylary fibers C. both a & b Sclereids are sometimes called A. hard C. soft	B. D. Dwn a B. D. cells	storage all of these ss xylary fibers None of these	В
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known A. extraxylary fibers C. both a & b Sclereids are sometimes called A. hard C. soft Bulliform cells are present in members of family	B. D. Dwn a B. Cells B. D.	storage all of these ss xylary fibers None of these s Stone Fiber	В
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known as a content of the conten	B. D. Dwn a B. D. cell: B.	storage all of these us xylary fibers None of these s Stone Fiber Myrtaceae	В
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known as a contract of the contrac	B. D. Dwn a B. Cells B. D.	storage all of these ss xylary fibers None of these s Stone Fiber	ВВ
Parenchyma cells perform which of following funct A. meristematic C. Transport Fibers associated with the xylem elements are known A. extraxylary fibers C. both a & b Sclereids are sometimes called A. hard C. soft Bulliform cells are present in members of family A. Brassicaceae C. Poaceae Sunken stomata are present in	B. D. B. D. Cells B. D. Colls B. D.	storage all of these us xylary fibers None of these s Stone Fiber Myrtaceae Euphorbiaceae ption	В
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known A. extraxylary fibers C. both a & b Sclereids are sometimes called A. hard C. soft Bulliform cells are present in members of family A. Brassicaceae C. Poaceae Sunken stomata are present in A. hydrophytes	B. D. Dwn a B. D. cells B. D.	storage all of these ss xylary fibers None of these s Stone Fiber Myrtaceae Euphorbiaceae ption xerophytes	ВВ
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known A. extraxylary fibers C. both a & b Sclereids are sometimes called A. hard C. soft Bulliform cells are present in members of family A. Brassicaceae C. Poaceae Sunken stomata are present in A. hydrophytes C. mesophytes	B. D. B. D. Cells B. D. Colls B. D.	storage all of these us xylary fibers None of these s Stone Fiber Myrtaceae Euphorbiaceae ption	B C B
Parenchyma cells perform which of following func A. meristematic C. Transport Fibers associated with the xylem elements are known A. extraxylary fibers C. both a & b Sclereids are sometimes called A. hard C. soft Bulliform cells are present in members of family A. Brassicaceae C. Poaceae Sunken stomata are present in A. hydrophytes	B. D. Dwn a B. D. cells B. D.	storage all of these ss xylary fibers None of these s Stone Fiber Myrtaceae Euphorbiaceae ption xerophytes	ВВ
	C. All tissues internal to endodermis The ladder-like lignin thickenings are A. a) reticulate C. Annular The guard cells of stoma are A. irregular in shape C. long and cylindrical in shape There are extensive stomata on the upper surface A. Geophytes C. Hydrophytes The only gaps in the epidermis are due to the present as stomata C. lignin The pore, guard cell and subsidiary cell form A. stomatal apparatus C. both a & b Instomatal type, the stomata are to the longitudinal axis of pore and guard A. a) paracytic	Closed vascular bundles lack A. cambium C. Ground tissue D. Companion cells are closely associated with A. Trichomes C. Sieve elements D. Placentation in tomato and lemon is A. Parietal B. C. Marginal D. Ground tissue includes A. All tissues except epidermis and vascular bundles C. All tissues except epidermis and vascular bundles C. All tissues internal to endodermis D. The ladder-like lignin thickenings are A. a) reticulate B. C. Annular D. The guard cells of stoma are A. irregular in shape B. C. long and cylindrical in shape C. long and cylindrical in shape D. There are extensive stomata on the upper surface of lead A. Geophytes C. Hydrophytes D. The only gaps in the epidermis are due to the presence of A. stomata B. C. lignin D. The pore, guard cell and subsidiary cell form A. stomatal apparatus C. both a & b D. Instomata type, the stomata are surrector to the longitudinal axis of pore and guard cell	Closed vascular bundles lack A. cambium B. Pith C. Ground tissue D. Epidermis Companion cells are closely associated with A. Trichomes B. Guard cells C. Sieve elements D. Vessel elements Placentation in tomato and lemon is A. Parietal B. Free central C. Marginal D. Axile Ground tissue includes A. All tissues except epidermis and vascular bundles C. All tissues except epidermis and vascular bundles C. All tissues internal to endodermis D. Epidermis and cortex The ladder-like lignin thickenings are A. a) reticulate B. Scalariform C. Annular D. Spiral The guard cells of stoma are A. irregular in shape B. convex in shape C. long and cylindrical in shape D. kidney- shaped There are extensive stomata on the upper surface of leaves in A. Geophytes B. bryophytes C. Hydrophytes D. xerophytes The only gaps in the epidermis are due to the presence of A. stomata B. cortex C. lignin D. pith The pore, guard cell and subsidiary cell form A. stomatal apparatus B. stomatal complex C. both a & b D. None of these Instomatal type, the stomata are surrounded by two subsidiary cells which are parallel to the longitudinal axis of pore and guard cells

154)	is not present in roots			В
	A. cortex	B.	medullary rays	
	C. endodermis	D.	Pith	
155)	The protosteles in which xylem is in the form of p	aralle	l plates is called	С
,	A. Haplostele	B.	actinostele	
	C. plectostele	D.	solenostele	
156)	Siphonostele types are common in		stems	A
100)	A. Fern	B.	mosses	
	C. rice	D.	none	
157)	stele is found in mono	cots		A
,	A. Atectostele	B.	Dictyostele	
	C. Eustele	D.	Protostele	
158)	cavity is formed by the	he bre	akdown of inner protoxylem vessel and the nearby	С
,	cells			
	A. Shizogenous	B.	Lysigenous	
	C. Shizolysigenous	D.	None	
159)		cambi	um	В
,	A. Cork	B.	Vascular	
	C. Both a & b	D.	None	
160)	is the outermost layer of root with	large		A
100)	A. Epiblema	В.	Epidermis	11
	C. Endodermis	D.	Trichomes	
161)	Presence of chloroplast is the characteristic of			С
101)	A. Epidermis	B.	Endodermis	C
	C. Guard cells	D.	Subsidiary cells	
162)	In dicots which type of stele is present?	ν.	Substituty cens	С
102)	A. atactostele	В.	siphonostele	C
	C. eustele	D.	both a & c	
163)	The leaves in which palisade layer is restricted to	Γ.		A
103)	A. Bifacial	B.	Isolateral	Λ
	C. Centric	D.	None	
164)	Cortex is formed form	ν.	rone	С
104)	A. Plerome	В.	Dermatogen	C
	C. Periblem	D.	None	
165)	The number of xylem or phloem bundles in mono			Α.
103)	A. 12 to 20	B.	15 to 20	A
	C. 17 to 20	D.	12 to 30	
166)	Mucilaginous parenchyma are found in	υ.	12 to 30	В
100)	A. a) Palms	В.	Succulents	Б
	C. Grasses	D.	Rushes	
167)	Sudan Black-B is used to stain the	υ.	Rusiies	С
107)	A. Proteins	В.	Carbohydrates	C
	C. Lipids	D.	All of these	
1(0)	Polysaccharide materials are often stained with	υ.	All of these	A
168)		D	Caladia	A
	A. Schiff reagent	В.	Gelatin	
1.601	C. Sudan reagent	D.	Fast green	ъ
169)	Which of the following is an embedding reagent?	<u> </u>	Calada	В
	A. Schiff reagent	B.	Gelatin	
4.50	C. Sudan reagent	D.	Fast green	
170)	Instrument used for sectioning is known as	_	hen to a	C
	A. Microscope	B.	Flame photometer	
	C. Microtome	D.	All of these	
171)	The Orange-G has an affinity for	<u> </u>	tissues	A
	A. Lignified	В.	Non-lignified	

C. Both a & b	D.	None	
is a layer secreted betw	een adjace		С
A. Primary wall	В.	Secondary wall	
	D.	None	
The main component of primary wall is			C
A. Pectin	В.	Cellulose	
		All of these	
Which one of the following is dermal tissue	?		D
A. a) Trichomes	В.	Glands	
	D.	All of these	
	alled		A
	В.	Secondary walls	
	D.	None	
Secondary wall is composed of	layers	•	В
A. 2	В.	3	
C. 4	D.	5	
Interruptions in the are ca	lled pits	•	В
A. Primary wall	В.	Secondary wall	
C. Middle lamella	D.	None	
Wood of conifers consists of		-	В
A. Vessels	В.	Tracheids	
C. All of these	D.	None	
is a common plant adap	otation to a	iquatic environments.	В
A. Parenchyma	В.	Aerenchyma	
C. Collenchyma	D.	Sclerenchyma	
			D
			В
71	D.	Cynodon	
			A
	D.	None	
		l=	В
	F -		
• • •			В
		All of these	
		hr.	C
		•	_
	D.	Euphorbiaceae	
	L	- Ta 1	A
			1
C. Schiff	D.	Leuwenhook	
Tracheids develop from			C
			- ~
A. Early wood C. Sapwood	B. D.	Late wood Heartwood	
	is a layer secreted betw A. Primary wall C. Middle lamella The main component of primary wall is A. Pectin C. Hemicellulose Which one of the following is dermal tissue A. a) Trichomes C. Root hairs The walls of dividing and growing cells are canding the composed of the following is dermal tissue A. Primary walls C. Both a & b Secondary wall is composed of A. 2 C. 4 Interruptions in the are canding the canding the following the following cells are canding to the following are canding to the following cells are canding to the following c	is a layer secreted between adjace A. Primary wall C. Middle lamella D. The main component of primary wall is A. Pectin B. C. Hemicellulose D. Which one of the following is dermal tissue? A. a) Trichomes C. Root hairs D. The walls of dividing and growing cells are called A. Primary walls C. Both a & b D. Secondary wall is composed of layers A. 2 B. C. 4 D. Interruptions in the are called pits A. Primary wall C. Middle lamella D. Wood of conifers consists of A. Vessels C. All of these D. Serondary wall is a common plant adaptation to a far. Parenchyma C. Collenchyma D. For the stomatal studies which stain is used? A. Safranine C. Both a & b D. Anatomical adaptations involved in salt tolerance includ A. Glands C. Succulence D. In roots, xylem is A. Exarch B. C. Both a & b D. In stem, xylem is A. Exarch B. C. Both a & b D. Menatomical adaptations are present on the same radius A. Radial B. C. Concentric D. Bicollateral vascular bundles are found in families A. Radial C. Solanacea D. The term xylem was introduced by A. Nagelli B. Radial B. C. Solanacea D. The term xylem was introduced by A. Nagelli B. Radial B. Radiell	is a layer secreted between adjacent plant cells which "glues" plant cells together A. Primary wall B. Secondary wall C. Middle lamella D. None The main component of primary wall is A. Pectin B. Cellulose C. Hemicellulose D. All of these Which one of the following is dermal tissue? A. a) Trichomes B. Glands C. Root hairs D. All of these The walls of dividing and growing cells are called A. Primary walls B. Secondary walls C. Both a & D. None Secondary wall is composed of layers A. 2 B. 3 C. 4 D. Secondary wall is C. Middle lamella D. None The main consists of A. Vessels B. Tracheids C. All of these D. None Which these D. None Tracheids C. All of these D. None Secondary wall D. None Secondary wall D. None Secondary wall D. None Tracheids C. Middle lamella D. None Wood of conifers consists of A. Vessels B. Tracheids C. All of these D. None Tracheids D. None Secondary wall D. None Secondary wall D. None Tracheids D. N

	A. Angiosperms	В.	Gymnosperm	
	C. Both a & b	D.	None	
190)	Epidermis is multilayered in plar	nts		В
	A. Temperate	В.	Tropical	
	C. Both a & b	D.	None	
191)	Collenchyma occurs in the stem and petioles of	f		С
,	A. xerophytes	В.	monocots	
	C. dicot herbs	D.	hydrophytes	
192)	Collenchyma occurs is			С
172)	A. herbaceous climbers	B.	woody climbers	
	C. climbing stems	D.	water plants	
193)	For union between stock and scion in grafting w			A
173)	A. formation of callus	В.	production of plasmodesmata	11
	C. differentiation of new vascular tissues	D.	regeneration of cortex and epidermis	
194)	Angular collenchyma occurs in	Ρ.	regeneration of cortex and epiderims	A
194)	A. Cucurbita	В.	Helianthus	Λ.
	C. Althaea	D.	Salvia	
105)	A narrow layer of thin walled cells found between	Γ.		В
195)	A. cork cambium	ві ріпос В.	vascular cambium	- В
	C. endodermis	D.	pericycle	4
106)	Which of the following is not true about 'sclere		pericycle	A
196)			4	A
	A. these are groups of living cells	В.	these are found in nut shells, guava pulp, pear	
10=	C. these are also called stone cells	D.	these are form of sclerenchyma with fibres	
197)	In plants inulin and pectin are	<u> </u>		A
	A. reserved material	В.	wastes	
	C. excretory material	D.	insect attracting material	
198)	Four radial vascular bundle are found in			A
	A. dicot root	В.	monocot root	
	C. dicot stem	D.	monocot stem	
199)	Axillary bud and terminal bud derived from the			C
	A. lateral meristem	В.	intercalary meristem	
	C. apical meristem	D.	parenchyma	
200)	Diffuse porous woods are characteristic of plants	s growir		D
	A. alpine region	В.	cold winter regions	
	C. temperate climate	D.	tropics	
201)	Immature vegetative or floral shoot or both, oft	ten cove	ered by scales:	A
	A. Bud	В.	Flower	
	C. Fruit	D.	Seed	
202)	Matured ovule of seed plants.			D
,	A. Bud	В.	Flower	
	C. Fruit	D.	Seed	
203)	Matured ovary of flowering plants, with or without	out acce	ssory Parts	С
,	A. Bud	В.	Seed Flower	_
	C. Fruit	D.		
204)	A usually low, soft, or coarse plant with annual a	abovegr	ound stems	D
	A. Liana	B.	Shrub	1 ~
	C. Vine	D.	Herb	1
205)	An immature shoot.		1	A
203)	A. Bud	В.	Flower	- 11
	C. Fruit	D.	Seed	-
206)	A pore in the bark.	٠.	15000	A
200 <i>)</i>		В.	Node	A
	A. Lenticel C. Leaf Scar	D.	Bud	-
<u> </u>	C. Lear Sear	ρ.	Duu	

207)	A short shoot on which flowers and fruits or lea	ves are	borne.	A
	A. Spur	B.	Scape	
	C. Sclerocauly	D.	None of these	
208)	System of plant taxonomy presents "taxonomic s	ystems	"used mostly in plant classification	D
,	A. Adanson system	В.	Lindley system	
	C. de Jussieu system	D.	Linnaeus systems	
09)	Vegetation types in the Punjab can broadly be d	livided	into:	D
,	A. Indus Plain Region	B.	Upland Plateau	
	C. Mountainous Region	D.	All of these	
(10)	Schools of Thought in Evolutionary Biology			D
/	A. Classical Evolutionary	B.	Phenetic	
	C. Cladistic	D.	All of these	
211)	Comparison of ontogeny:	ı		D
,	A. Root development	B.	seed development	
	C. Biogeography	D.	embryo development	
12)	6 6 1 7		aracter in an ancestral form is said to be primitive,	D
12)	and also:	arric cri	aracter in an ancestrar form is said to be primitive,	Ъ
	A. synapomorphy	В.	symplesiomorphy	
	C. apomorphy	D.	plesiomorphy	
213)	Poaceae family is:	ρ.	presionorphy	A
.13)	A. Grass Family	В.	Orchid Family	A
	C. Pine Family	D.	Legumes	
11.4)	,		Legumes	
214)	some plants hybridize and are fertile, also known		1. 1. 21	A
	A. nothotaxa	В.	hybridtaxa	
	C. neotaxa	D.	athotaxa	
215)	relationships between plants and their evolution			В
	A. Plant taxonomy	В.	plant systematics	
	C. plant evolutionary biology	D.	none of these	
216)	Salicaceae family is also called			D
	A. Pink Family	В.	Goosefoot Family	
	C. Caper family	D.	Willow Family	
217)	Inflorescence of family Cucurbitaceae is:	-		Α
	A. Solitary	В.	cyathium	
	C. Catkin	D.	Spike	
218)	organisms are ranked and classified SOLELY o	n the b		C
	A. recency of common ancestry	В.	recency of shared ancestry	
	C. a&b	D.	none of these	
219)	Analogous characters are also called:			A
	A. homoplasies	В.	Anaplasies	
	C. a&b	D.	none of these	
220)	Chenopodiaceae family is also called	•		В
	A. Pink Family	B.	Goosefoot Family	
	C. Caper family	D.	Willow Family	
221)	A derived character shared between two or mor	e taxa i	is known as a:	В
,	A. symplesiomorphy	B.	synapomorphy	
	C. a&b	D.	none of these	
222)	A primitive character shared between two or mo			A
,	A. symplesiomorphy	В.	synapomorphy	771
	C. a&b	D.	none of these	
	Following family is not an economically signifi			С
)22)		cam 1d	11111y.	
223)			Trochodendraceac	
223)	A. Chenopodiaceae C. Magnoliaceae	B. D.	Trochodendraceae Ranunculaceae	

	A. Chenopodiaceae	В.	Trochodendraceae	
	C. Magnoliaceae	D.	Ranunculaceae	
225)	Two living species of the following family have secondary xylem without vessel elements, which is			
	quite rare in angiosperms			
	A. Trochodendraceae	В.	Chenopodiaceae	
	C. Ranunculaceae	D.	All of these	
226)	Ranunculaceae family is also called			C
	A. buttercup family	В.	crowfoot family	
	C. a&b	D.	none of these	
227)	Fruticose is:			A
	A. Shrubby	В.	Upright	
	C. a&b	D.	none of these	
228)	Fastigiate is:			C
	A. Shrubby	В.	Upright	
	C. Strictly erect and parallel	D.	none of these	
229)	Eramous is:			D
	A. Shrubby	В.	Upright	
	C. Strictly erect and parallel	D.	With unbranched stems.	
230)	Creeping or lying flat and rooting at the n			D
	A. Trailing	В.	Prostrate	
	C. Ramose	D.	Repent	
231)	Reclining or lying on the ground with the ti	ips ascending		A
	A. Decumbent	В.	Prostrate	
	C. Ramose	D.	Repent	
232)	Wand-like; long, slender, and straight.			С
	A. Decumbent	В.	Prostrate	
	C. Virgate	D.	Repent	
233)	Small corm produced at base of parent corr	n.		С
	A. Culm	В.	Caudex	
	C. Cormel	D.	Cladode	
234)	A short, thick, vertical or branched perent	nial stem usu	ally subterranean, or at ground level.	В
	A. Culm	В.	Caudex	
	C. Cormel	D.	Cladode	
235)	Flowering and fruiting stems of grasses and	l sedges.		A
	A. Culm	В.	Caudex	
	C. Cormel	D.	Cladode	
236)	Small corm produced at base of parent co	rm.		С
	A. Culm	В.	Caudex	
	C. Cormel	D.	Cladode	
237)	An over-wintering bud, as in Lemna			A
1	A. Turion	В.	Tuber	
	C. Tiller	D.	Underground Stolon	
238)	A determinate, elongate, underground prop	agative stem	with long internodes forming a bulb or tuber at	D
	the tip.			
	A. Turion	В.	Tuber	
	C. Tiller	D.	Underground Stolon	
239)	A grass shoot produced from the base of the			С
	A. Turion	В.	Tuber	
	C. Tiller	D.	Underground Stolon	
240)	A thick storage stem, usually not upright.			В
	A. Turion	В.	Tuber	
	C. Tiller	D.	Underground Stolon	
241)	Annual rings with vessels or pores more or	less evenly d	listributed	С

	A. Ring Porous Wood B. Non-porous Wood	
	C. Diffuse Porous Wood D. None of these	
242)	Annual rings with vessels or pores usually in the spring wood, in a well defined circular band	A
,	A. Ring Porous Wood B. Non-porous Wood	
	C. Diffuse Porous Wood D. None of these	
243)	Annual rings with tracheids only, no vessels produced in spring or summer wood.	В
,	A. Ring Porous Wood B. Non-porous Wood	
	C. Diffuse Porous Wood D. None of these	
244)	Apical growing or meristematic tissue that gives rise to other bud parts.	D
,	A. Scale B. Primordium	
	C. Bud Primordium D. Promeristem	
245)	Protective leaf on outside of bud.	A
2 4 3)	A. Scale (b) (c) (d) B. Leaf Primordium	
	C. Bud Primordium D. Promeristem	
246)	Axillary bud surrounded by base of petiole.	С
2 4 0)	A. Infrapetiolar B. Subpetiolar	
	C. a&b D. none of these	
247)	Bud appearing apical but is lateral near apex, developing with death or nondevelopment of terminal	bud C
247)		bud C
	A. InfrapetiolarB. SubpetiolarC. Pseudo-terminalD. none of these	
2.40\		
248)	The main axis of a pinnately compound leaf.	D
	A. Rachilla B. Ligule	
	C. Stipels D. Rachis	
249)	An outgrowth or projection from the top of the sheath, as in the Poaceae	В
	A. Rachilla B. Ligule	
	C. Stipels D. Rachis	
250)	Paired scales, spines, glands, or blade-like structures at the base of a petiole	
	A. Rachilla B. Ligule	
	C. Stipules D. Rachis	
251)	Flowers with radial symmetry and parts arranged at one level; with definite numbers of parts and size	A
	A. Actinomorphic B. Paleomorphic	
	C. Zygomorphic D. Haplomorphic	
252)	Flowers with bilateral symmetry; parts usually reduced in number and irregular	C
,	A. Actinomorphic B. Paleomorphic	
	C. Zygomorphic D. Haplomorphic	
253)	Actinomorphic with numbers of parts reduced	В
	A. Actinomorphic B. Paleomorphic	
	C. Zygomorphic D. Haplomorphic	
254)	Sterile stamen, may be modified as a nectary or petaloid structure	A
25 .)	A. Staminodium B. Staminal Disc	
	C. Male sporophyll D. none of these	
255)	With fused stamens and carpels (stigma and style) as in the Orchidaceae	С
233)	A. Gynostemial B. Gynandrial	
	C. Both a and b D. none of these	
256)	With filaments fused to corolla, anthers free.	С
256)		
	A. Gynostemial B. Gynandrial C. Petalostemonous D. none of these	
257		
257)	With several groups of stamens connate by their filaments.	D
	A. Gynostemial B. Gynandrial	
	C. Petalostemonous D. Polydelphous	
258)	With filaments fused to corolla, anthers free.	A
	A. Petalostemonou B. Gynandrial	
	C. Petalostemonous D. Polydelphous	

259)	Anther attached dorsally and medially to apex of filament.	A
237)	A. Dorsifixed B. Subbasifixed	71
	C. Basifixed. D. none of these	
260)	Anther attached near its base to apex of filament	В
200)	A. Dorsifixed B. Subbasifixed	2
	C. Basifixed. D. none of these	
261)	Anther attached at its base to apex of filament.	С
201)	A. Dorsifixed B. Subbasifixed	C
	C. Basifixed. D. none of these	
262)	Outermost layer of pericarp	С
202)	A. Ectocarp B. Exocarp	C
	C. Both a and b D. none of these	
263)	Floral axis extension between adjacent carpels, as in the Apiaceae.	D
203)	A. Ectocarp B. Exocarp	D
	C. Mericarp D. Carpophore	
2(4)	A portion of fruit that seemingly matured as a separate fruit.	<u>C</u>
264)	1 1	C
	A. Ectocarp B. Exocarp C. Mericarp D. Carpophore	
265)		
265)	Persistent septum after dehiscence of fruits, as in the Brassicaceae.	A
	A. Replum B. Exocarp	
	C. Mericarp D. Carpophore	
266)	A persistent indurated, hook-like funiculus in the fruits of Acanthaceae	В
	A. Replum B. Retinaculum	
	C. Mericarp D. Carpophore	
267)	An achene derived from a one-loculed, inferior ovary.	A
	A. Cypsela B. Achene	
	C. Caryopsis D. Balausta	
268)	Many-seeded, many- loculed indehiscent fruit with a tough, leathery pericarp, as in Punica	D
	A. Cypsela B. Achene	
	C. Caryopsis D. Balausta	
269)	A one-seeded, dry, indehiscent fruit with seed attached to fruit wall at one point only, derived from a one-	В
	loculed superior ovary.	
	A. Cypsela B. Achene	
	C. Caryopsis D. Balausta	
270)	A hard one-loculed dry fruit derived from an inferior ovary, as in Quercus.	D
	A. Cypsela B. Achene	
	C. Caryopsis D. Calybium	
271)	Fruits on a common axis that are usually coalesced and derived from the ovaries of several flowers, as in	a
,	Morus	
	A. Sorosis B. Bibacca	
	C. Etaerio D. Syconium	
272)	Fruits derived from simple or compound ovaries and some non-ovarian tissues	A
,	A. Accessory Fruit Types B. Multiple Fruit Types	
	C. Aggregate Fruit Types D. Conocarpium	
273)	taxonomy was a system of grouping unrelated plant species by a common criteria	В
=,0)	A. Natural B. Artificial	_
	C. evolutionary taxonomy D. none of these	
274)	: classification reflects evolutionary relationships	A
217)	A. Natural B. Artificial	<i>1</i> 1
	C. evolutionary taxonomy D. none of these	
275)	Method of classifying plants based on a limited number of their physical and sexual characteristics	D
275)	recursor of classifying plants based on a minited number of their physical and sexual characteristics	В
213)	A Natural D Artificial	
213)	A. Natural B. Artificial C. evolutionary taxonomy D. none of these	

	A. Annual/Perennial B. Biennials	
	C. Perennials D. Annuals	
277)	A plant can behave as an annual or a perennial depending on local climatic and geographic growing	В
,	conditions	
	A. Annual/Perennial B. Biennials	
	C. Perennials D. Annuals	
278)	Plants which require two years to complete their life cycle.	D
	A. Annual/Perennial B. Biennials	
	C. Perennials D. Annuals	
279)	This family have a cosmopolitan distribution, and are found everywhere except Antarctica and the extreme Arctic	В
	A. Chenopodiaceae B. Asteraceae	
	C. Magnoliaceae D. Ranunculaceae	
280)	Family name, Compositae, comes from the fact that what appears to be a single flower, is actually a	A
,	A. composite of smaller flowers B. composite of single flowers	
	C. composite of many flowers D. none of these	
281)	The older family name, of family Asteraceae is:	b
,	A. Chenopodiaceae B. Compositae	
	C. Magnoliaceae D. Ranunculaceae	
282)	The cluster of flowers that may appear to be a single flower, is called a	В
202)	A. composit B. head	D
	C. rays D. star	
283)	Euphorbiaceae family is:	A
203)	A. spurge family B. Orchid Family	71
	C. Pine Family D. Legumes	
284)	some Euphorbiaceae family members are succulent and resemble cacti because of	A
204)	A. convergent evolution B. divergent evolution	А
	C. coevolution D. none of these	
205)		D.
285)	Lamiaceae family is: A. Labiatae B. mint	D
	A. Labiatae B. mint C. deadnettle D. all of these	
206)		-
286)		C
	A. Chenopodiaceae B. Compositae C. Lamiaceae D. Ranunculaceae	
205)		
287)	The seeds bear a u-shaped line (pleurogram) in family:	C
i	A. Chenopodiaceae B. Compositae	
• 0.01	C. Fabaceae D. Ranunculaceae	
288)	The Cyperaceae are a family of monocotyledonous graminoid flowering plants known as	В
	A. grasses B. sedges	
	C. rushes D. none of these	
289)	Features distinguishing members of the sedge family from grasses or rushes are stems with	D
	A. quadangular B. hexagonal	
	C. pentagonal D. triangular	
290)	Features distinguishing members of the sedge family from grasses or rushes are leaves that are	A
	A. spirally arranged in three ranks B. alternate in three ranks	
	C. alternate arranged in five ranks D. spirally arranged in many ranks	
291)	Grasses have :	В
	A. alternate leaves in one ranks B. alternate leaves in two ranks	
	C. alternate leaves in five ranks D. alternate leaves in many ranks	
292)	The stems are usually 3-angled and solid in family	D
	A. Chenopodiaceae B. Compositae	
	C. Fabaceae D. Cyperaceae	
293)	The fruit is a peculiar kind of capsule named siliqua in family:	D

	A. Chenopodiaceae B. Compositae	
	C. Fabaceae D. Brassicaceae	
294)	A close relationship between Brassicaceae and Capparaceae, because members of both groups produce:	A
,	A. glucosinolate B. glucoside	
	C. Asparticacis D. salicylic acid	
295)	Which family is characterized by commonly having 5-angled stems and coiled tendrils	D
/	A. Chenopodiaceae B. Compositae	
	C. Fabaceae D. Cucurbitaceae	
296)	The fruit is a type of berry called a pepo in family	С
	A. Chenopodiaceae B. Compositae	
	C. Cucurbitaceae D. Fabaceae	
297)	Cotton is the only member of this family with documented poisonous properties.	В
	A. Chenopodiaceae B. Malvaceae	
	C. Cucurbitaceae D. Fabaceae	
298)	Flower: K ³⁻⁵ Co ⁵ S [∞] P (5-8)	В
	A. Chenopodiaceae B. Malvaceae	
	C. Cucurbitaceae D. Fabaceae	
299)	Sugar beet is source of sugar. About sugar of the world is extracted from sugar beet	A
	A. 1/3 B. 1/4	
	C. 1/2 D. 1/7	
300)	Quinoa seed is sold as a hot cereal at many health food stores; it comes from a species of	A
300)	A. Chenopodium B. Suaeda	1 11
	C. Kochia D. Suaeda	
301)	Which of the following is not an igneous rock	b
301)	A. Granite B. Slate	-
	C. option Basalt D. None of these	
302)	Which of the following component of environment is static	D
302)	A. Lithosphere B. Hydrosphere	۱ ۲
	C. Atmosphere D. None of these	_
303)	The sphere of life on earth	D
303)	A. Ecosphere B. Lifosphere	٦
	C. Geosphere D. Biosphere	
304)	The layer of land following the earth surface	A
30 4)	A. Lithosphere B. Hydrosphere	- A
	C. Atmosphere D. Biosphere	
305)	The coolest layer of atmosphere.	D
303)	A. Thermosphere B. Troposphere	- D
	C. Stratosphere D. Mesosphere	
306)	Oligotrophic lakes have good	С
300)	A. Nutrient status B. Biodiversity	
	C. Water quality D. Both A & B	
307)	The pollution caused by plastic bags are an example of	С
301)	A. PIPs B. Primary pollutant	⊣
	C. POPs D. NIPS	-
308)	Fungicides are taken up and redistributed through the xylem vessels to the upper parts of the plant.	С
200)	A. Systemic B. Contact	1
	C. Translaminar D. All of these	-
200)		
309)	The fixation of atmospheric CO2 into wood	D
/	A. Quenching B. Requisitioning	

	C. Obstaculation	D. Sequestration	
310)		rough volatilization if soil temperature exceeds 25 °C	В
310)	A. P	B. N	
	C. Na	D. K	
311)	Which of the following is an example of fo		В
311)	A. Sonora	B. Naimb	
	C. Gobi	D. Sahara	
312)	The permanent clearing of forests from land		A
312)	A. Deforestation	B. Reforestation	
	C. Noforestation	D. Afforestation	
313)	According to the UNESCO definition, extra		D
313)	A. > 1	B. ≥ 3.4	
	C. <10	D. ≥10	
314)	The average rainfall in hyper-arid region is		С
314)	A. 250-500 mm/year	B. 100-250 mm/year	\dashv
	C. <100 mm/year	D. >1000 mm/year	
315)	That desert is located in	p. proof minipear	D
313)	A. Balochistan	B. KP	\dashv
	C. Sindh	D. Punjab	
316)	The movement of soil particles of size les		D
310)	A. Siltation	B. Salinization	\dashv
	C. Seltation	D. Saltation	
317)	Strip cropping is practiced on the slopes v		В
317)	A. >1.5 degree	B. > 15 degree	- B
	C. <15 degree	D. >25 degree	
318)	In wind erosion, a particle of size 15 mm		b
316)	A. Siltation	B. Surface creep	
	C. Suspension	D. Plucking	
319)	1	water streams in more uneven areas with moderate slope	Α
319)	A. Gullies	B. Rills	A
	C. Banks	D. Waterfall	
220)	Frees plantation along with shrubs in one to		D
320)		B. Wind breaks	В
	A. Shelter belts C. Wind throws	D. Strip breaks	
221)		rears, land is left without any crop for a few years during	
321)			С
	which it regains its fertility by natural pro A. Crop Rotation	B. Sheet flow	
	C. Fallowing	D. None of these	
322)	Splash Erosion is a type of	b. Ivolic of these	A
322)	i lyry	B. Wind erosion	-
	A. Water erosion C. Glacial erosion	D. None of these	
323)	A horizontal shelf or bench on the side of		A
323)	A. Terracing	B. Basin Listing	-
		D. None of these	
	C Loveling		
224)	C. Leveling Soil erosion due to water can be controlle		D
324)	Soil erosion due to water can be controlle	d by mechanical methods which include	D
324)	Soil erosion due to water can be controlle A. Pan Breaking	d by mechanical methods which include B. Leveling	D
·	Soil erosion due to water can be controlle A. Pan Breaking C. Terracing	d by mechanical methods which include B. Leveling D. All of these	
324)	Soil erosion due to water can be controlle A. Pan Breaking C. Terracing The cultivated variety of grasses like Sacc	d by mechanical methods which include B. Leveling D. All of these charum munja and Cynodon dactylon is	D B
·	Soil erosion due to water can be controlle A. Pan Breaking C. Terracing The cultivated variety of grasses like Sacca A. 0	d by mechanical methods which include B. Leveling D. All of these charum munja and Cynodon dactylon is B. 90-97%	
325)	Soil erosion due to water can be controlle A. Pan Breaking C. Terracing The cultivated variety of grasses like Sacca A. 0 C. 1	d by mechanical methods which include B. Leveling D. All of these charum munja and Cynodon dactylon is B. 90-97% D. 30-50%	В
·	Soil erosion due to water can be controlle A. Pan Breaking C. Terracing The cultivated variety of grasses like Sacca A. 0 C. 1 The wetland having acidic, peaty soil with	d by mechanical methods which include B. Leveling D. All of these charum munja and Cynodon dactylon is B. 90-97% D. 30-50% the soil too soft to support heavy objects like trees	
325)	Soil erosion due to water can be controlle A. Pan Breaking C. Terracing The cultivated variety of grasses like Sacca A. 0 C. 1	d by mechanical methods which include B. Leveling D. All of these charum munja and Cynodon dactylon is B. 90-97% D. 30-50%	В

	A. Ecotones	B. Marginal lands	
	C. Watelands	D. Barren lands	
328)	A wetland essentially without trees, associ	ated with flowing water and highly productive in nature	В
,	A. Fens	B. Marshes	
	C. Swamps	D. Bogs	
329)		narkets" because of the extensive food chain and rich in	D
,	biodiversity		
	A. Rangelands	B. Grasslands	
	C. Forests	D. Wetlands	
330)	Which of the followings is not a Wetland		A
,	A. Dune	B. Lake	
	C. Pothole	D. Pond	
331)	The term "telmatology" describes the stud	dy of	D
	A. Deserts	B. Forests	
	C. Environment	D. Wetlands	
332)	Very cold areas in Arctic regions or mead	lows at high elevations.	D
	A. Leys	B. Grassland	
	C. Wetlands	D. Tundra	
333)	A rainfall range of 25 to 75 cm/year support	rts	D
	A. Pastures	B. Tundra	
	C. Wetlands	D. Grasslands	
334)	An areas where the rainfall is either too lov	v or too variable for dryland crop production.	A
ĺ	A. Rangelands	B. Wetlands	
	C. Farmlands	D. All of these	
335)	The average area covered by rangelands in Punjab Province, Pakistan		
,	A. 4.9 million ha	B. 28.5 million ha	
	C. 12.6 m million	D. 5.8 million ha	
336)	Surface waterlogging is caused when pans		В
/	A. A horizon	B. B Horizon	
	C. O Horizon	D. R Layer	
337)	A condition characterized by continuous		A
22.,	A. Wetland	B. Grassland	
	C. Tundra	D. None of these	
338)	Sorghum plant, being able to tolerate a w		A
220)	A. Euryhaline	B. Hyper-saline	
	C. Stenohaline	D. Hypo-saline	
339)	The current level of CO2 in atmosphere is	31	D
00)	A. 250 ppm	B. 300 ppm	
	C. 350 ppm	D. 410 ppm	
340)	Reconstruction of the previous communit	11	A
3.10)	A. Paleo-climatology	B. Eco-climatology	
	C. Pedology	D. Morphology	
341)	Eutrophic Lakes are rich in	F. F	A
311)	A. Nutrients	B. Toxins	
	C. Oxygen	D. CFCs	
342)	The largest dessert on the earth is	1 . 1	С
J.2)	A. Gobi	B. Arctic	
	C. Antarctic	D. Sahara	
343)	High concentration of plant nutrients can		A
515)	A. Eutrophication	B. Plant growth	
	C. Pollution	D. Good effects	_
344)	Unit of electrical conductivity is	p. Jood offeets	В
J ++)	A. ECe	B. dS/m	— В
	11. LCC	P. (40/111	

	C. m/dM D. None of these	
345)	The coldest layer of the atmosphere is	В
	A. Stratosphere B. Mesosphere	
	C. Thermosphere D. Troposphere	
346)	Where water bodies have the lowest level of biological productivity	В
	A. Oligotrophic B. Mesotrophic	
	C. Eutrophic D. Hyper-eutrophic	
347)	Which is the example of metamorphic rock	В
317)	A. Lime stone B. Marble	
	C. Sand stone D. Granite	
348)	Which is the primary air pollutant	D
310)	A. Carbon mono-oxide B. Carbon dioxide	
	C. Nitrogen D. All of these	
349)	Secondary air pollutant is	A
347)	A. Ozone B. Nitrogen	
	C. Carbon dioxide D. Carbon monoxide	
350)	Specific gravity of cadmium is	В
330)	A. 7.65 B. 8.65	В
	C. 8.85 D. 8.34	
351)	A plant growing in a plastic bottle containing nutrient solution is an example of	D
331)		
	A. Humidfiring B. Ebb and flow C. Run to waste D. Fogponics	
252)	A soil with 90% silt, 5% clay and 5% sand is classified as	D
352)		D
	A. Sandy B. Clay-Loam C. Loam D. Silty	<u>_</u>
252)		B
353)	Expanded clay aggregates are	В
	A. Triangular B. Spherical	
27.1	C. Irregular D. Square	
354)	Soil with higher base saturation is considered as:	В
	A. Infertile B. Fertile	
277	C. Acidic D. Silty soil	
355)	The ECe of normal soil is	A
	A. <2 B. >2	
	C. < 0.5 D. > 32	
356)	Total number of negatively charged exchangeable sites on clay mineral is its	В
	A. Exchangeable acidity B. Cation exchange capacity	
	C. Percent base saturation D. Isomorphic substitution	
357)	Which of the following aspects is NOT the function of artificial growing media	C
	A. Aeration B. Unrestricted root growth	
	C. Nutrient supply D. Support	
358)	Which of the following is a biological growing media?	D
	A. Brick Shard B. Soil	
	C. Sand D. Rice Husk	
359)	Aeroponic growth refers	A
	A. Air culture B. Land culture	
	C. Rotary D. None	
360)	All method of growing plants with nutrients solutions are known as:	В
	A. Aeroponic B. Hydroponics	
	C. Fogponics D. Ebb & flow	
361)	Any material which is suitable for plant growth is	A
	A. Growing medium B. Non growing medium	
	C. Artificial medium D. None of above	
362)	The pH of sand and peat are:	A

	A. Acidic B. Neutral		
	C. Basic D. Slightly basic		
363)	1 bar is equal to	В	
,	A. 14.2 pounds B. 14.5 pounds		
	C. 13.4 pounds D. 13.8 pounds		
364)	A thermocouple psychrometer works on the principle of	D	
	A. Beer's Law B. Scholander law		
	C. Chardakov law D. Peltier Effect		
365)	As the solute concentration increase, the value of osmotic potential become	В	
	A. Positive B. Negative		
	C. Neutral D. Zero		
366)	In roots, cortex and endodermis are separated by	A	
	A. Casparian strips B. Plasmodesmata		
	C. Plasma membrane D. Epithelium		
367)	Gravitational potential is always	В	
,	A. Positive B. Highly negative		
	C. Negative and negligible D. None of these		
368)	In symplastic path way water moves through	A	
,	A. Plasmodesmata B. Vacuole		
	C. Cell wall D. Xylem		
369)	Matric potential is negligible at	A	
/	A. At high tissue hydration B. Cell water below 60%		
	C. At low tissue hydration D. Cell water below 40 %		
370)	Mature cell cytoplasm contain water	С	
2,0)	A. 2-4% B. 3-7%		
	C. 5-10% D. 6-12%		
371)	Plasmolytic method is used to measure		
3/1)	A. Osmotic potential B. Turgor pressure	A	
	C. Matric potential D. Gravitational method		
372)	Psuchron is a Greek words meaning	С	
2,=)	A. To Measure B. Pressure		
	C. Cold D. Sugar		
373)	The connections between the adjoining cells are	С	
0,0)	A. Plasmid B. Plasmolysis		
	C. Plasmodesmata D. Plasma lemma		
374)	The movement of water through cell wall is	В	
371)	A. Symplastic pathway B. Apoplastic pathway		
	C. Translaminar pathway D. Both A and C		
375)	Value of water potential is zero when the cell is	В	
373)	A. Flaccid B. Shrink		
	C. Negative D. More negative		
376)	Pressure Chamber method was first introduced by	A	
370)	A. Henry Dixon B. San Diego	71	
	C. Trinity D. P. Scholander		
377)	Water potential can be measured by	D	
311)	A.) Pressure probe B. Indirect method		
	C. Volume method D. Plasmolytic method		
378)	An IRGA is	D	
310)		— Р	
	A. Infra Gas Analyzer B. Infra-Red Geometric Analyzer C. Infra-Red Gas Acquitter D. Infra-Red Gas Analyzer		
270)	C. Infra-Red Gas Acquitter D. Infra-Red Gas Analyzer Chlorophyll b is more soluble than chlorophyll a in polar solvent because of its	ח	
379)		В	
	, , ,		
	C. Hydroxyl group D. None of these		

380)	Ci/Ca ratio obtained by dividing the value of Ci by	С
360)	A. H-bonding B. A/Pn	
	C. Ambient Carbon dioxide concentration D. Ci	
381)	The partial pressures of CO ₂ in intra cellular spaces is	A
301)	A. Ci B. CO	
	C. CO2i D. Ca	
382)	Transpiration ratio is reciprocal of	С
362)	A. Stomatal conductance B. Ci ratio	
	C. Evaporation D. WUE	
383)	Which of the following groups is likely to have the highest water use efficiency	С
363)	A. C3 B. C4	
	C. CAM D. C5	
384)	Carotenoids are estimated according to the method of	A
304)	A. Arn B. Davis	A
	C. Scholander D. Hoagland	
205)	Chl b occurs in	D
385)		В
	A. Higher plants B. Cyanobacteria C. Brown algae D. Diatoms	
200	Greek word khloros mean	
386)		C
207)	C. Pale green D. Pale brown	
387)	Leaf chlorophyll absorbs	A
	A. Red light B. Infrared light	
	C. A and B D. None of these	_
388)	The carbonyl group is found in chlorophyll	В
	A. C B. A	
	C. B D. Both (b) and c	
389)	The reaction center	A
	A. P680 and P700 B. P480 and P600	
	C. P600 and P780 D. P280 and P400	
390)	The reflectance of Chlorophyll a is in	D
	A. Violet-blue B. Green /yellow	
	C. Orange-red light D. Both (a) and (c)	
391)	For the detection of Alkaloids, the typical GC column temperature is	В
	A. 200 oC B. 450 oC	
	C. 350 oC D. 250 oC	
392)	In normal phase chromatography, molecules are separated according to their	A
	A. Decreasing polarity B. Hydrophobic-Interaction	
	C. Hydrophilic-Interaction D. Increasing polarity	
393)	Eosin y is used for staining	A
	A. Cytoplasm B. Cell walls	
	C. Mitochondria D. Chromosomes	
394)	Microtome is used for sample	В
	A. Flame photometry B. Section cutting	
	C. Electrophoresis D. Blotting	
395)	Basic fixation images is used for studies of	A
•	A. Mitochondrial B. Cytoplasmic	
	C. Chromatin D. Both a and b	
396)	Infiltration means:	С
,	A. Removal of xylol B. Dehydration	
	C. Clearing D. Removal of wax	
397)	In flame photometer the elements are detected by	В
3971	in name photometer the elements are detected by	

	C. Flame size D. Flame intensity		
398)	Spectrometry is a technique that measure the of electromagnetic radiation	A	
390)	A. Wavelength B. Length	Λ	
	C. Wirth D. Diameter		
399)	The spectroscopy technique use to measure the:	В	
399)		Б	
	A. Temperature B. Concentration C. Pressure D. volume		
400)			
400)	. Automizer is the part of A. Optical atomic Refractors B. Visible spectrometer	С	
401)	T T T T T T T T T T T T T T T T T T T	D.	
401)	. The natural residence of every organism is known as:	D	
	A. Biome B. Niche C. Habit D. Habitat		
400			
402)	What is the name of the feature that allows organisms to survive in the conditions of its habitat?	В	
	A. Adjustment B. Adaptation		
	C. Acclimatisation D. Adaptive variation		
403)	Shelford's law of tolerance is named after:	C	
	A. James Shelford B. Jacob Shelford		
	C. Ernest Shelford D. None of these		
404)	Shelford's law of tolerance suggests that organisms with a wide tolerance limit for environmental factors	В	
	show:		
	A. Narrow distribution with low population B. Wide distribution with high population		
	C. Wide distribution with high population D. Narrow distribution with high population		
405)	Wide variety of living organisms is called:	A	
	A. Biodiversity B. Population		
	C. Habitat D. Diversity		
406)	Animal adopt a similar state like sleep to reduce their metabolic rate, it is called:		
	A. Migration B. Transpiration		
	C. Hibernating D. None of these		
407)	Hyenas and Vultures are .	В	
	A. Omnivorous B. Scavengers		
	C. Carnivorous D. Herbivorous		
408)	A mutual relationship between two organisms, where both of them are benefitting from watch other is	A	
,	called:		
	A. Mutualism B. Symbiosis		
	C. Parasitism D. Food chain		
409)	Which is not a feature of heliophyte among the following?	A	
,	A. Stem with long internodes B. Numerous rootlets		
	C. Long lateral roots D. Vigorous fruiting and flowering		
410)	Which of the following is not a feature of 'r' selected species?	D	
.10)	A. Reproduce quickly B. The low survival rate of progenies	2	
	C. Reproduce a large number of progenies D. Paternal care		
411)	The term ecosystem was proposed by .	В	
711)	A. Lindeman B. Tansley	Ъ	
	C. Grinnel D. Turesson		
412)	What is the percentage of oxygen and carbon dioxide exists in the ecosystem?	В	
412)	A.	Ъ	
	C. 20.0% and 0.40% D. 20.0% and 0.44%		
412)	Which of the following is the smallest artificial ecosystem that has sustained for a long period?	В	
413)		D	
41.45		D	
414)	group of species exploits the biotic and abiotic resources in the same way.	D	
	A. Community B. Ecads C. Biomes D. Guild		

415)	Which is/are the abiotic components of an ecosyst	em?		D	
113)	A. Soil	В.	Protein		
	C. Carbon	D.	All of the above		
416)	The set of ecosystems is called .		- In or the theore	С	
110)	A. Atmosphere	B.	Hydrosphere		
	C. Biosphere	D.	None of the above		
417)	Acid rain is a result of:	<u> </u>	rone of the doore	С	
717)	A. Excess amount CO ₂	В.	Excess amount of NH ₃		
	C. Excess amount of SO ₂ and NO ₂	D.	Excess carbon monoxide		
418)	The greenhouse effect in the atmosphere is produ	Г.		A	
710)	A. Absorption and re-emission of infrared	В.	Absorption and re-emission of ultraviolet	A	
	radiation by the atmosphere	Ρ.	radiation by the atmosphere		
	C. Absorption and re-emission of visible light	D	Absorption and re-emission of visible light by	1	
	by the atmosphere	Ρ.	clouds		
419)	The result of acid disposition is:		ciouus	A	
417)	A. Dying forests and lakes	В.	Acid indigestion in humans	Λ	
	C. Greenhouse effect lessens	D.	All of these		
420)	The reason of soil pollution is	ρ.	All of these	D	
420)		Б	Aerosol	D	
	A. Ozone C. PAN	B. D.	Acid rain		
101)		υ.	Acid rain		
421)	The force that initiates evolution is	_	Dr. C	A	
	A. Variation	В.	Mutation		
	C. Extinction	D.	Adaptation		
422)	is a vestigial organ		I=	C	
	A. Intestinal villi	B.	Papillae		
	C. Vermiform appendi	D.	None of the above		
423)	The earliest geological time period among the following is				
	A. Cambrian	B.	Permian		
	C. Jurassic	D.	Quaternary		
424)	The experiment that simulated conditions thought	to be		C	
	A. Hershey–Chase experiment	B.	Geiger–Marsden experiment		
	C. Miller–Urey experiment	D.	Schiehallion experiment		
425)	Example of a homologous organ			A	
	A. The arm of a human, wing of a bird	B.	Wing of an insect, wing of a bird		
	C. Leg of a dog, leg of a spider	D.	None of the above		
426)	Primordial soup is a set of hypothetical conditions	on an	cient earth first proposed by .	В	
	A. Dmitri Ivanovsky	B.	Alexander Oparin		
	C. Dmitry Anuchin	D.	Nikolay Shatsky		
427)	Which condition can be explained by Lamarckism	?		D	
,	A. How giraffes got their long neck	В.	How humans lost their tail	1	
	C. How humans became bipedal	D.	All of the above		
428)		spire	d Darwin's theory of evolution.	D	
/	A. Ilha da Queimada Grande	B.	Guatemala	1 -	
	C. Faroe Islands	D.	Galapagos Islands		
429)	was considered as a missing link			A	
72)	A. Archaeopteryx	В.	Pteranodon	11	
	C. Avimimus	D.	Caudipteryx		
430)	The oldest mineral discovered so far was		which dates back to 4.4 billion years.	В	
+30)	. 1-	В.	Zircon	Р .	
	A. Iron C. Cadmium	D.	Silicon	-	
	a it sammin	υ.	SHICOH	<u> </u>	
1013					
431)	Pidgeon, platypus and panda are	_	In uu a	A	
431)		В. D.	Poikilothermic None of the above	A	

	A. Pan troglodytes	B.	Homo neanderthalensis			
	C. Lemuroidea	D.	Dromaeosaurus			
433)	An example of convergent evolution is					
	A. Wing of Hawkmoths, the wing of hawks	B.	Teeth of domestic dog, teeth of a wolf			
	C. Wings of Geospiza magnirostris, wings of	of D.	None of the above			
	Geospiza fortis					
434)	On the Origin of Species was written by			Α		
	A. Charles Darwin	В.	Ludmila Kuprianova			
	C. Mikhail A. Fedonkin	D.	None of the above			
435)	When did dinosaurs die off?			В		
	A. 105.1 million years ago	В.	65.5 million years ago			
	C. 75.5 million years ago	D.	None of the above			
436)	Scientist estimate the age of earth or fossils by s	tudying		В		
	A. Sedimentary rocks	В.	Isotopes			
	C. Epochs	D.	Fossils			
437)	Who stated that fossils are not related to modern	organi		Α		
	A. Charles bonnet	В.	Charles darwin			
	C. Lamark	D.	Carlous linnaeous			
438)	Who wrote an assay on population growth?			С		
	A. Charles Lyell	B.	James hutton			
	C. Malthus	D.	Charles bonnet			
439)	When hybrid is viable but their adults are sterile	known	as .	С		
	A. A. Haybrid viability	В.	Haybrid inviability			
	C. Haybrid sterility	D.	Haybrid breakdown			
440)	Which one is a polygeneic trait?					
	A. Frickles	B.	Dimples			
	C. Taste ptc	D.	Height			
441)	The group of subpopulations remains within the	e habit	at of an original population but enters a different	С		
	niche.					
	A. Allopatric speciation	В.	Sympatric speciation			
	C. Parapatric speciation	D.	Peripatric speciation			
442)	C. Parapatric speciation Mimicry in butterflies or insects is an example of	1	Peripatric speciation	A		
442)		1	. Divergent evolution	A		
442)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution	of B. D.	Divergent evolution Macroevolution	A		
442)	Mimicry in butterflies or insects is an example of A. Convergent evolution	of B. D.	Divergent evolution Macroevolution of .	A		
,	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution	of B. D.	Divergent evolution Macroevolution			
,	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be	B. D. ecause	Divergent evolution Macroevolution of .			
,	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics	B. ecause B. D.	Divergent evolution Macroevolution of Homologous structure Vestigious structure			
443)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics C. Analogous structure	B. ecause B. D.	Divergent evolution Macroevolution of Homologous structure Vestigious structure	A		
443)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three	B. D. ecause B. D. I Raver	Divergent evolution Macroevolution of Homologous structure Vestigious structure	A		
443)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry.	B. D. B. D. I Raver B.	Divergent evolution Macroevolution of Homologous structure Vestigious structure in Ninteen sixy four Ninteen seventy three	A		
443)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry. A. Protective	B. D. B. D. I Raver B.	Divergent evolution Macroevolution of Homologous structure Vestigious structure in Ninteen sixy four Ninteen seventy three Concious	A B		
443)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry.	B. D. ecause B. D. I Raven B. D.	Divergent evolution Macroevolution of Homologous structure Vestigious structure in Ninteen sixy four Ninteen seventy three	A B		
443)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry. A. Protective	B. D. B. B. D. B. B. D. B. D.	Divergent evolution Macroevolution of Homologous structure Vestigious structure in Ninteen sixy four Ninteen seventy three Concious Automimicry alogous features in different species.	A B		
443) 444) 445)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry. A. Protective C. Mullerian	B. D. B. B. D. B. B. D. B. D.	Divergent evolution Macroevolution of Homologous structure Vestigious structure in Ninteen sixy four Ninteen seventy three Concious Automimicry alogous features in different species. parallel evolution	A B B		
443) 444) 445)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry. A. Protective C. Mullerian In which type of evolution natural selection devolation C. Divergent evolution	B. D. I Raver B. D. B. D. elop an B. D.	Divergent evolution Macroevolution of Homologous structure Vestigious structure in Ninteen sixy four Ninteen seventy three Concious Automimicry alogous features in different species. parallel evolution Convergent evolution	A B B		
443) 444) 445)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry. A. Protective C. Mullerian In which type of evolution natural selection devolution C. Divergent evolution Compression of thick accumulation of plant debox	B. D. I Raver B. D. B. D. elop an B. D.	Divergent evolution Macroevolution of Homologous structure Vestigious structure in Ninteen sixy four Ninteen seventy three Concious Automimicry alogous features in different species. parallel evolution Convergent evolution sists of	A B B		
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444) 445) 446)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar by A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry. A. Protective C. Mullerian In which type of evolution natural selection devolution C. Divergent evolution Compression of thick accumulation of plant deb A. Peat C. Coal	B. D. Raver B. D. B. D. B. D. rris cons B. D.	Divergent evolution Macroevolution of Homologous structure Vestigious structure in Ninteen sixy four Ninteen seventy three Concious Automimicry alogous features in different species. parallel evolution Convergent evolution sists of	A B B D		
444) 445) 446)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry. A. Protective C. Mullerian In which type of evolution natural selection devolution C. Divergent evolution Compression of thick accumulation of plant deb A. Peat	B. D. Raver B. D. B. D. B. D. rris cons B. D.	Divergent evolution Macroevolution of Homologous structure Vestigious structure in Ninteen sixy four Ninteen seventy three Concious Automimicry alogous features in different species. parallel evolution Convergent evolution sists of Lignite	A B B D		
444) 445) 446)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar by A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry. A. Protective C. Mullerian In which type of evolution natural selection development and type of evolution C. Divergent evolution C. Divergent evolution Compression of thick accumulation of plant debta. Peat C. Coal are the largest spanning time period A. Eras	B. D. Raver B. D. B. D. B. D. rris cons B. D.	Divergent evolution Macroevolution Macroevolution of Homologous structure Vestigious structure iin Ninteen sixy four Ninteen seventy three Concious Automimicry alogous features in different species. parallel evolution Convergent evolution sists of Lignite All of these Epochs	A B B D D		
444) 445) 446) 447)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar be A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry. A. Protective C. Mullerian In which type of evolution natural selection devolution C. Divergent evolution C. Divergent evolution Compression of thick accumulation of plant deb A. Peat C. Coal are the largest spanning time period A. Eras C. Eons	B. D. I Raver B. D. Elop an B. D. ris cons B. D. S. B. D.	Divergent evolution Macroevolution of Homologous structure Vestigious structure in Ninteen sixy four Ninteen seventy three Concious Automimicry alogous features in different species. parallel evolution Convergent evolution sists of Lignite All of these Epochs Periods	A B B D D		
444) 445) 446) 447)	Mimicry in butterflies or insects is an example of A. Convergent evolution C. Microevolution Wings of all flying animals looks very similar by A. Law of aerodynamics C. Analogous structure The term coevolution was coined by Ehrlich and A. Ninteen sixy five C. Ninteen sixty three Didelphus pretend which type of mimicry. A. Protective C. Mullerian In which type of evolution natural selection development and type of evolution C. Divergent evolution C. Divergent evolution Compression of thick accumulation of plant debta. Peat C. Coal are the largest spanning time period A. Eras	B. D. I Raver B. D. Elop an B. D. ris cons B. D. S. B. D.	Divergent evolution Macroevolution of Homologous structure Vestigious structure in Ninteen sixy four Ninteen seventy three Concious Automimicry alogous features in different species. parallel evolution Convergent evolution sists of Lignite All of these Epochs Periods	A B B D D		

	C. Rhizoids D. None	e of these
450)	is the superb preservation of the plant and animal	material. B
,	A. Aglaophyton B. Rhyr	nie chert
		e of these
451)	Eurypterus is the state fossil of .	A
,		rdeenshire
	C. Scotland D. Braz	
452)	First globally successful group of plant on earth.	В
152)		pphytes
		e of these
453)	True roots evolve for the first time in group.	C
155)	<u> </u>	pphytes
		o mosses
454)	Which group of plants have evolved prickles on stem?	C
737)	<u> </u>	moss
		oceropsida
455)	Which group of plants had extinct calamites.	C
433)	A. Horse tails B. Fern	
		e moss
456)	Connecting axis between dichotomies are known as	· B
430)	A. Telome B. Meso	
		le telome
157)		
457)	Which one is monocarpic plant.	A chinensis
	E	
450)	C. Tecoma stans D. Calo is the first discovered tree fern on earth.	tropis procera
458)		В
450)		ermatopteris
459)	An evidence of previous life, either direct or indirect known as	
		ution
		e of these
460)	Direct fossils evidence provided information about	. D
	A. Morphology B. Anat	
		of these
461)	are the plant parts thats have suffered the physical	
	-	pression
	C. Cast D. Mole	
462)	Number of eons have been evolved in history of earth.	B
	A. Five B. Four	
	C. Six D. Three	
463)	is the periode in which diversification of land has	
		ovician
	C. Cambrian D. Perm	nian
464)	Unequal branching that creats a upright stature of branches.	C
		otomous
	1	of these
465)	Γelome theory was proposed by	A
	A. Walter zimmermann B. Char	les darwin
		gor Mendel
466)	Modern ferns are known as the .	A
,	A. Polypodiidae B. Calar	mites
	7.1	phyton
467)	is the first discovered tree on the earth.	D

	A. Calamites B. Psaronius					
	C. Garden fern D. Eospermatop	teris				
468)	Range of air borne pollen grain is .	D				
/	A. 100 to 200um B. 25 to 49um					
	C. More than 200um D. 10 to 80um					
469)	Pollen shapes were classified on the basis of .					
,	A. Polar axis B. Equitorial dia	nmeter				
Ì	C. Polar axis and equitorial diameter D. Proximal axis					
470)	First cell of gametophyte generation is .	С				
,	A. Microspore B. Megaspore					
	C. Spore D. Oospore					
471)	Pollens having ill-defined pores in their polar region known as	. D				
,	A. Sulcate B. Zonosulcate					
	C. Culpate D. Ulcerate					
472)	When exine of pollen grain raised in the form of ridges such structure k	nown as . B				
)	A. Saccus B. Lophae					
Ì	C. Tectum D. Collumella					
473)	In which type of pollens tactum is completely absent due to large space	es. D				
,	A. Saccate B. Alveolate					
	C. Lophate D. Fenestrate					
474)	When appertures arranged at equatorial region of pollen.	A				
17.17	A. Zono B. Peri					
	C. Colpi D. Sulci					
475)	Slit like aperture situated at proximal end of pollens.	В				
473)	A. Amb B. Lete					
	C. Laesurae D. Margo					
476)	A distinct thickening of the exine bordering the aperture known as					
470)	A. Amb B. Margo	В				
	C. Costa D. Laesurae					
477)	Laesurae may be .	D				
7///	A. Monolete B. Dilete					
	C. Trilete D. All of these					
478)	Pollens are released in the form of pollinia in .	A				
470)	A. Calotropis procera B. Cynodon dact					
	C. Tecoma stans D. Rosa chinensi					
479)	are the best tool for biostratigraphic study.	C				
+ <i>17)</i>	A. Seeds B. Flowers	C				
	C. Pollens D. Ovules					
480)	Fossilized primitive spores first appear in the fossil record	· A				
1 00)	A. Cryptospoes B. Scolecodonts					
	C. Palynodebris D. Varia					
481)	Meridional redges of pollen are stated as .	В				
401)	A. Sacci B. Plicae					
	C. Culpi D. Lacunae					
482)	The member of family malvaceae is .	В				
404)	A. Rosa chinensis B. Hibiscus rosa					
	C. Tecoma stans D. Calotropis pro					
192)	Wide spreading roots that support the very tall emergent and canopy tree					
483)		D D				
	A. Adventious roots C. Ephemerals D. Buttress roots	,				
104)	1					
484)	A circle around the earth run parallel to the north of equator .	A				
	A. Tropic of cancer B. Tropic of cap C. Equator D. Polar	HICOH				
	C. Equator D. Polar					

Γ	he distribution of individual among the spec	cies known	as .	В
	A. Richness	B.	Evenness	
C	C. Diversity	D.	Diversity indices	
A	mount of species turn over along the ecolog	gical gradie	ent known as .	В
A	A. Alpha diversity	В.	Beta diversity	
C	C. Gama diversity	D.	Diversity indices	
C	limate of Pakistan is almost	L		В
—	Tropical	B.	Subtropical	
	C. Warm temperate	D.	Cold temperate	
Pa	akistan geographically divided in to types o	f vegetatio		С
	A. Seven	<u>В</u> .	Eleven	
C		D.	Five	
W	hich area is known by name of jewel of Pa	kistan		С
	A. Eastern	B.	Western	
C		D.	Southern	
_	he largest genus with more number of ender	mic species		A
	A. Astragalus	В.	Poa	- 1
	C. Rosa	D.	Eucalyptus	
_	rea along the coastline and highly influence	d by fresh		С
	A. Wetalnd	B.	Salt marshes	\dashv
<u>(</u>	C. Mangroves	D.	Saline wasteland	
Н	Toubara bustard is the provisional bird of	р.	Same wasterand	A
	A. Baluchitan	<u>.</u> В.	Sindh	A
	C. Punjab	D.	Kpk	
	/hich one is national mammal of Pakistan	<u> </u>	крк	С
	Marco polo sheep	В.	Markhor	\dashv
	C. Indus dolphin	D.	Black bear	
_	Number of non-governmental agencies invo	٠.		С
_	A. Four	B.	Five	-
	C. Three	D.	Two	
NT.	fumber of countries signed at rio de jenerio	under ninet		D
	iversity .	under mnet	eenth century in convention of biological	
A		B.	155	
C		D.	154	
_	arthenium hysterophorus was introduce as a	ρ.		В
-	A. Sand dunes	B.	Accidental	— В
C		D.	Water garden plant	
	one of the major of loss of biodiversity is	<u> </u>	water garden plant	A
	A. Overpopulation	В.	Dams building	A
C	1 1	D.	All of these	
	iological resources fulfils the needs of poor		All of these	
	A. Eighty percent	B.	Fourty percent	A
C		D.	Fifty percent	
	reas with extremely high level of biodivers			В
_				Ь
C		В. D.	Hotspots	
	C. Ecosystem he wetlands can be used effectively by mea		Biomes	
-			Sustainable development	D
	A. Conservation	В.	Sustainable development	
C	7 11	D.	All of these	
<u> </u>	•			В
Α				
C			non-existent	С
A	By semi-autonomous metabolic compartme A. A. not dependent upon nucleus C. fully dependent upon nucleus plastid in its undifferentiated form is called	В. D.	partly dependent upon nucleus non-existent	

	A.	Preplastid	В.	Euplastid			
	C.	Propalstid	D.	Preprotoplastid			
503)	A pla	astic responsible for fruit colors and car	rotenoid meta		A		
,	A.	Chromoplast	B.	Amylopast			
	C.	Etioplast	D.	Leukoplast			
504)	In p	rimary carbon metabolism,	are used	I for the synthesis of organic compounds	В		
,	A.	Organic materials	B.	Inorganic materials			
	C.	Both of these	D.	None of these			
505)	The synthesis of complex/long-chain compounds takes place in the						
	A.	Primary carbon metabolism	B.	Secondary carbon metabolism			
	C.	Inorganic carbon metabolism	D.	None of these			
506)	A tec	chnique for immunological localization	of proteins i	n tissues is called as	С		
	A.	Immunochemistry	В.	Histochemistry			
	C.	Immunohistochemistry	D.	Immunoassay			
507)	A sc	ience dealing with analysis of individu	al proteins in	the cells is called as	A		
ŕ	A.	A. Proteomics	В.	Proteination			
	C.	protein fractionation	D.	None of these			
508)	GFP	s stand for	1	1	В		
,	A.	Gray fluorescent proteins	В.	Green fluorescent proteins			
	C.	Gray fuorescent proteins	D.	Green fuorescent proteins			
509)	A r	method used to collect the	is ap	hid stylet method	С		
/	A.	Xylem sap	B.	Stele sap			
	C.	Phloem sap	D.	Transfer cell sap			
510)	The glucan subunits linkage in amylose is						
,	A. A. α-1, 4-glucan B. α-1, 6-glucan						
	C.	β-1, 4-glucan	D.	β-1, 6-glucan			
511)	Qu	antitative study of energy transduction	occurring in	living cells is called as	D		
,	A.	A. Energetics	B.	. Chemoenergetics			
	C.	Thermogetics	D.	Bioenergetics			
512)	Majo	or form of transport sugars are sugar alo	cohols in the	plants of family	D		
,	A.	A. Cyperaceae	В.	. Cucurbetaceae			
	C.	Mimosaceae	D.	Rosaceae			
513)	Oval	-shaped starch grains are found in	L	•	В		
,	A.	-	В.	Potato tuber			
	C.	Maize grain	D.	Olive seed			
514)	Abil	ity of an object or system to do work or	n another obj	ect or system is called as	С		
,	A.	Work	В.	Tendency			
	C.	Energy	D.	Torque			
515)	Sou	and is a form of energy			A		
	A.	A. Kinetic	B.	Potential			
	C.	Nuclear	D.	Electrical			
516)	Quar	ntitative study of energy transduction o	ccurring in li	ving cells is called as	D		
	A.	Energetics	В.	Chemoenergetics			
	C.	Thermogetics	D.	Bioenergetics			
517)	As	ystem in which there is only the excha	inge of energy	y not the matter	В		
	A.	Closed system	В.	Isolated system			
		Open system					
	C.		D.	Semi-closed system			
518)	A rea	action in which heat absorbed by the sy	ystem (Q) is r	negative value is called	A		

519)	C. Isothermic	D. Heterothermic				
519)	A					
,	A reaction will be spontaneous if					
	A. ☐ G is negative	B. ☐ G is Positive				
	C. ☐G is zero	D. ☐G is variable				
520)	Randomness of a system is defined as		В			
,	A. A. Enthalpy	B. Entropy				
	C. Free energy	D. Spontaneity				
521)	The ultimate source of energy in the u		С			
,	A. A. Fossil fuel	B. Biological waste				
	C. Solar source	D. Hydal source				
522)	The type of energy stored in the food	is	D			
- /	A. A. Physical .	B. Kinetic				
	C. Electrical	D. Chemical				
523)	The first ever crystallized enzyme by		В			
323)	A. Protease	B. Urease				
	C. Uricase	D. Kinase				
524)	The first ever crystallized enzyme by		A			
324)	A. A. Urease	B. Isozymes				
	C. Ribozyme	D. Homozyme				
525)	From Cech got Nobel Prize in 1982 for	F . F	С			
323)	A. Urease	B. Isozymes				
	C. Ribozyme	D. Homozyme				
<i>F</i> 2 <i>C</i>)	2		Α.			
526)	A coenzyme or metal ion covalently l		A			
	A. A. Prosthetic group	B. Coenzyme				
	C. Apoenzyme	D. Holoenzyme				
527)	Hexokinase, Glucose-6-phosphatase a		В			
	A. Cu2+	B Mg2+				
	C. Ni2+	D. Co2+				
528)	Coenzyme thiamine pyrophosphate is		D			
	A. Alcohol group	B. Acyl group				
	C. Ketone group	D. Aldehyde group				
529)	Bond formation coupled to ATP clear	rage is catalyzed by	В			
	A. Oxidareductases	B. Ligases				
	C. Lyases	D. Transferases				
530)	Enzyme numerical classification base	d the reaction they catalyze is known as	A			
	A. Enzyme Commission Number	B. Enzyme Command Number				
	C. Enzyme Collective Number	D. None of these				
531)	Three most important characteristics	of the enzyme active site are	С			
,	A. A. Specificity, reusability, adv	anced fit B. Generality, reusability, induced fit				
	C. Specificity, reusability, induce					
532)	Average rate at which the reactions ar		D			
,	A. About 300/sec	B. About 500/sec				
	C. About 800/sec	D. About 1000/sec				
533)	A degree of stability in enzyme-subst	l l	В			
,	<u> </u>					
- /	A. Activation energy	B. Binding energy				

534)	Irreversible enzyme inhibition is caused by						
/	A.	A. Nerve gases	B.	. Arsenate	D D		
	C.	Herbicide	D.	All of these			
535)		are the molecules that inhibit or	activate		В		
,	A.	A. Inhibitors	В.	Effectors			
	C.	Inducers	D.	Excluders			
536)	[n	reactions, an outside	e energ	y source is needed to run them	A		
	A. Non-spontaneous B. Forward						
	C.	Backward	D.	Spontaneous			
537)		reactions use coenzymes to trap	energy	released from catabolism	D		
	A.	A. Phosphorylation	B.	Reduction			
	C.	Oxidation	D.	Redox			
538)	In irr	reversible inhibition, there is			В		
	A.	Physical change in enzyme structure	В.	Chemical change in enzyme structure			
	C.	Temporary change in enzyme structure	D.	Transitory change in enzyme structure			
539)	Beta-	galactosidase breaks lactose down to			C		
	A.	Glucose and fructose	B.	Galactose and fructose			
	C.	Glucose and galactose	D.	Glucose and mannose			
540)	The l	NADPH and ATP synthesized during light re	eactions		A		
	A.	Calvin cycle	B.	Krebs cycle			
	C.	.β-oxidation cycle	D.	Photorespiratory cycle			
541)	Loss	of green color is accompanied with conversi	ion of c		C		
	A.	A. Coprobilinogen-III	B.	Protoporphyrin IX			
	C.	Phaeophobride-a	D.	Protochlorophylloid-a			
542)	is responsible for dismantling the chlorophyll from the protein complex						
	A.	Radical	B.	Hypothetical			
	C.	Real	D.	Non-existent			
543)	3 CC	02 + 9 ATP + 6 NADPH® Glyceraldeh	yde-3-l		A		
	A.	6 NADP + 8 Pi C.	В.	6 NADP + 9 Pi			
	C.	5 NADP + 8 Pi	D.	5 NADP + 8 Pi D. 5 NADP + 9 Pi			
544)	In th	e presence of light, the chlorophyll synthesis	is pron	_ .	D		
	A.	A. Ethylene	B.	Auxins			
	C.	Gibberellins	D.	Cytokinins			
545)	ATP	$+$ $H_2O \rightarrow ADP + Pi + H^+ : \Delta G =$			В		
	A.	A. +30.5 kJ mol-1	B.	–30.5 kJ mol-1			
	C.	–30.5 mJ mol-1	D.	-30.5 MJ mol-1			
546)		is the most abundant carote		higher plants	A		
	A.	β-carotene	B.	α-carotene			
	C.	. Lycopene	D.	Leutin			
547)	Dism	nantling the chlorophyll from the protein con	-		D		
	A.	A. Chlorophyllase	B.	Lyase			
	C.	Oxido-reductase	D.	None of these			
548)	Gera	nyl-geranyl diphosphate is a			В		
	A.	A. 10-C compound	B.	20-C compound			
	C.	30-C compound	D.	40-C compound			
549)	Site	of SSU mRNA synthesis is			В		
	A.	A. Chloroplast	B.	Nucleus			

	C. Lysosomes D. Golgi bodies					
550)	is essential for binding photosystem proteins with chlorophyll	molecules A				
	A. A. Light B. Darkness					
	C. Auxins D. Ethylene					
551)	Which one of the following is a 5 carbon compounds	C				
	A. A. Sesquiterpene B. Triterpene					
	C. Hemiterpene D. Tetraterpene					
552)	Isoprene is a five carbon containing secondary metabolite	D				
	A. Solid B. Semisolid					
	C. Liquid D. Gaseous					
553)	Anthocyanidin is of purplish red color	D				
	A. A. Petunidin B. Pelargonidin					
	C. Peunidin D. Cyanidin					
554)	tannins are soluble in water	A				
	A. Hydrolyzable B. Condensed					
	C. Amorphous D. Solid					
555)	Chalcone after isomerization leads to the formation of	D				
	A. Flavonols B. Anthocyanidin					
	C. Leucocyanadin D. Naringenin					
556)	Gallotannins are gallic acid esters of glucose in	A				
	A. A. Tannic acid B. Galic acid					
	C. Fulvic acid D. Shikimic acid					
557)	For detection of pseudotannins, the test used is					
	A. A. Goldbearer's test B. Goldbear's test					
	C. Goldmayer'stst D. None of these	В				
558)	Lignin is composed of monolignols, which are of					
	A. Three types B. Three types					
	C. Four types D. Five types					
559)	The proportion of hemicellulose in the secondary wall is	В				
	A. A. 25% B. B. 30%					
	C. 35% D. 40%					
560)	The synthesis of conyferyl alcohol takes place with the activity of	C				
	A. A. GAL . B. TAL					
	C. PAL D. All of these					
561)	Alkaloids are named so because they have pH in the cytosol	A				
	A. A. Alkaline B. Acidic					
	C. Neutral D. Variable					
562)	Human use of is stimulant, depressant, tranquilizer	D				
	A. Flavonols B. Anthocyanidin					
	C. Lignan D. Nicotine					
563)	Which one of the following is a polyamine	D				
	A. Canavinine B. Nicotine Dopamine					
	C. D. Spermine					
564)	Precursor of dopamine is	A				
,	A. A. Phenylalanine B. Lucien C. Proline					
	C. D. Asparagine					

565)	Apoptosis can be brought about with polyamine analog					
ŕ	A. A. P53 C. Q53 =	B. B53				
	C.	D. All of these				
566)	Which one of the families is a major source of atropine					
	A. Malvaceae	B. Cumbritaceae				
	C. Solanaceae	D. Poaceae				
567)	Precursor of scopolamine synthesis is		В			
	A. Methionine	B. Ornithine				
	C. Arginine	D. Lysine				
568)	Chemical formula of cocaine is		C			
	A. C19H14NO2	B. C18H15NO3				
	C. C17H21NO4	D. C16H28NO5				
569)	Precursor of ephedrine is		В			
	A. Tyrosine	B. Phenylalanine				
	C. Lysine	D. None of these				
570)	Ramoplanin, an antibiotic drug, is used	· · · · · · · · · · · · · · · · · · ·	A			
	A. A. Gram +ve bacteria	B. Gram -ve bacteria				
	C. Viruses	D. Actinomycetes				
571)	Which one of the following is not precu	rsor of cyanogenic glycosides	D			
	A. Valine B.	B. Isoleucine				
	C. Leucine	D. Glycine				
572)	is the end product of c	yanogenic glycosides metabolism	A			
,	A. Hydrogen cyaninde	B. Nitrile				
	C. Cyanohydrin	D. Aglycone				
573)	Transcription factor MYB plays	in plant development	С			
,	A. Inhibitory role	B. Promotory role				
	C. Regulatory role	D. No role				
574)	The alkaloids based medicines in the m	arket account for up to	В			
,	A. About 10% About 40%	B. About 25%				
	C.	D. About 50%				
575)	A polyamine is an organic compound h	aving two or more group	A			
	A –NH2	B. –NH				
	C. NH3	D. All of these				
576)	Ephedrine is obtained from an evergre	en shrub named as	В			
	A. Ephedra sinica	B. Ephedra vulgaris				
	C. Ephedra sativa	D. All of these				
577)	A major family of plants showing the s	ynthesis of glucosinolates is	D			
,	A. Solanaceae	B. Mimosaceae				
	C. Poaceae	D. Brassicaceae				
578)	Precursor of glucosinolates is/are		D			
/	A. A. Tyrosine	B. Phenylalanine				
	C. Methionine	D. All of these				
579)	During their metabolism, the glucosino		A			
,	A. Auxins biosynthesis	B. Gibberellins biosynthesis				
	C. Cytokinins biosynthesis	D. ABA biosynthesis				
580)	One of the most fatal disease caused by	J	С			
200)						
	A. A. Meningitis	B. Tuberculosis				

D A A
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A A
A A
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e class of C
l as A
В
D
A
A

	C.	ADP	D.	GDP		
596)		eophytinase involved in chlorophyll			С	
570)	A.	Endoplasmic reticulum	В.	Golgi bodies		
	C.	Plastid	D.	Microsome		
597)	Pla	nts of temperate region exhibit the sy	ynthesis of		С	
	A.	A. Ureids	В.	Carbides		
	C.	Amides	D.	Amines		
598)	Site	e of glutathione synthesis is	I		В	
,	A.	Peroxisome	В.	Chloroplast		
		Chromoplast				
	C.		D.	Mitochondria		
599)	Salic	cylic acid was discovered from	bark	in 1828	A	
Ì	A.	Willow	В.	Cinchona		
	C.	Brassica	D.	Potato		
600)		synthesis of choline takes place in		-	D	
	A.	Chloroplast	В.	Microsome		
	C.	Dictyosomes	D.	Cytoplasm		
601)	Gu	ard cells in the stomata of dicot plan	ts are		C	
	A.	Ball shape	В.	Dumbbell shape		
	C.	Kidney shape	D.	Egg shape		
602)	The only epidermal cells which also possess chloroplast are known as					
,						
	A.	Lenticels	В.	Guard cells		
	C.	Hair cells	D.	Cortical cells		
603)	The	e plants which possess stomata on lo	wer surface are	known as	В	
	A.	Astomatous	В.	Hypostomatous		
	C.	Epistomatous	D.	amphistomatous		
604)	The plants which possess stomata on upper surface are known as					
		T 1	1			
	A.	amphistomatous	В.	Hypostomatous		
	C.	Epistomatous	D.	Astomatous		
605)	At hi	igh pH the enzyme phosphorylase ca	uses the	of starch	A	
•	A.	Breakdown	В.	Formation		
	C.	Transport	D.	Storage		
606)	At lo	w pH the enzyme phosphorylase cau			D	
	A.	Transport	В.	Storage		
	C.	Breakdown	D.	Formation		
607)	Incre	ease in temperature will cause the sto			В	
	A.	Close	В.	Open		
	C.	Remain dormant	D.	Die		
608)		ong various hormones, ABA will brir		Tau	В	
	A.	Opening	В.	Closing		
	C.	Number increase	D.	Number decrease		

609)	In grasses stomata are found on	С
007)	A. Upper surface B. Lower surface	
	C. Equal number on both surfaces D. Non-of them	
610)	Stomatal regulation is	A
010)	A. Opening and closing of stomata B. Opening of stomata	
	C. Closing of stomata D. Non-of them	
611)	The most active photoysnthetic tissues in plants are	A
011)	A. Mesophyll B. Sclerenchyma	
	C. Cortex D. Epidermal	
612)	End product of cyclic electron transport chain in chloroplast is	В
012)	A. NADPH B. ATP	
	C. NADPH and ATP D. FADH2	
613)	End product of non-cyclic electron transport chain in chloroplast is	D
010)	A. ATP B. NADPH	
	C. FADH2 D. NADPH and ATP	
614)	Photosystem I and II are located on	С
011)	A. Cell membrane B. Choloroplast membrane	
	C. Thylakoind membrane D. Cell wall	
615)	During light reaction the energy products are produced in the form of	С
010)	A. NADPH B. ATP	
	C. NADPH and ATP D. FADH2	
616)	The organisms which can prepare their organic food from inorganic source are known as	В
010)	A. Heterotrophs B. Autotrophs	
	C. Mesotroghs D. Chemotrophs	
617)	Green sulphur bacterial use instead fo water	С
017)	A. SO2 B. SO3	
	C. H2S D. HSO3	
618)	Purple sulphur bacterial useinstead fo water	В
010)	A. HSO3 B. H2S	_
	C. SO3 D. SO2	
619)	Light has characteristic of both	В
01)	A. Photon and quantum B. Particle and wave	
	I noton and quantum	
	C. Wave and liquid D. Particle and liquid	
620)	Amount of energy in photon is called	D
/	A. Watt B. kJ	
	C. Calorie D. Quantum	
621)	1 Calorie is equal to	С
/	A. 5 J B. 6 J	
	C. 4.19 J D. 4.5 J	
622)	1 W is equal to	С
,	A. 4 J/s B. 3 J/s	
	C. 1 J/s D. 2 J/s	
623)	UV-A ranges from	A
/	A. 320-400 B. 350-420	
	C. 300-400 D. 380-420	
624)	UV-B ranges from	В
/	A. 320-400 B. 280-320	
	C. 250-300 D. 240-300	
625)	UV-C ranges from	С
1	A. 150-250 B. 120-250	
	C. 100-280 D. 130-210	

626)	Num	per of carbon atoms in chlorophyll a are			В
	A.	60	В.	55	
	C.	50	D.	65	
627)		per of hydrogen atoms in chlorophyll b are			С
021)	A.	74	В.	72	
	C.	70	D.	75	
628)		per of chlorophyll pigments required to pro			В
020)	A.	300-400	В.	200-300	
	C.	250-350	D.	150-250	
629)		egioun of chloroplast outside the thylakoid			С
02)	A.	Matrix	В.	Cytosol	
	C.	Stroma	D.	Nucleoplasm	
630)		ltimate source of electrons for photosythe		rueleopiasiii	В
030)	A.	CO2	B.	Water	
	C.	NADPH	D.	FADH2	
621)		n cycle occurs in	D.	TADIIZ	С
631)		Cytosol	В.	Matix	
	A. C.	Stroma	D.	Vacuole	
(22)		nost abundant soluble protein in plants is	ρ.	vacuoie	В
632)	_		Ь	Rubisco	D
	A. C.	Sucrose Aldolase	В. D.		•
(22)			D.	Kinase	
633)		nost abundant soluble sugar in plants is	- b	Ig. 1	С
	A.	Raffinose	В.	Stachyose	
50.1\	C.	Sucrose	D.	Glucose	- C
634)		plants for the fixation of one CO2, number		•	С
	A.	5 ATP	В.	4 ATP	
	C.	3 ATP	D.	6 ATP	
635)		plants for the fixation of one CO2, number		DPH required are	В
	A.		В.	2	
	C.	4	D.	4	
636)		e elements which can move via phloem are			A
	A.	Mobile	В.	Immobile	
	C.	Macronutrients	D.	Micronutrients	
637)	Atmo	sphere is source of the nutrients			D
	A.	Carbon	B.	Hydrogen	
	C.	Oxygen	D.	All of them	
638)	Macr	onutrients are also known as			A
	A.	Major elements	В.	Essential elements	
	C.	Minor elements	D.	Beneficial elements	
639)	Nutri	ents in the absence of which plants can no	t complet	te their life cycle are	C
	A.	Beneficial elements	B.	Macronutrients	
	C.	Essential elements	D.	Mobile elements	
640)	When	increase in concentration of one nutrient	lower do	wn the concentration of other nutrient, then this	В
	effect	is known as			
	A.	Synergistic effect	В.	Antagonistic effect	
	C.	Beneficial effect	D.	Toxic effect	
641)	The e	lements which stimulate plant growth but	they are	not essentially required for growth	D
,	A.	Micronutrients	В.	Essential elements	
	C.	Fundamental elements	D.	Beneficial elements	
642)	Nutri	ents deficiency can be reduced by	<u> </u>	-	С
,	A.	Soil application	B.	Foliar application	
	C.	Both a & b	D.	Non of them	1

643)	The study of how plants obtain and use mineral n A. Mineral nutrition	B.				
		υ.	Assimilation of nutrients			
	C. Absorption of nutrients	D.	Uptake of nutrients			
644)	On younger leaves symptoms are due to		1.	D		
,	A. Essential elements	B.	Mobile elements			
	C. Minor elements	D.	Immobile elements			
645)	Chlorosis and backward hooking of young leaves	are du	e to	С		
,	A. Zinc	B.	Chlorine			
	C. Calcium	D.	Magnesium			
646)	On the basis of physiological functions plant nutr	ients c	an be classified into	A		
	A. Four groups	B.	Eight groups			
	C. Six groups	D.	Two groups			
647)	Carbon, Hydrogen, Oxygen, Nitrogen, Phosphore	ıs, Pota	ssium, Calcium, Magnesium and Sulphur all are	D		
	A. Essential elements	B.	Micronutrients			
	C. Beneficial elements	D.	Macronutrients			
648)	Which of the following is not an amino acid?			В		
	A. glutamic acid	B.	palmitic acid			
	C. aspartic acid	D.	glutamine			
649)	What type of covalent bonds link the amino acids	s in a pi	rotein?	A		
,	A. peptide bonds	B.	hydrogen bonds			
	C. ionic bonds	D.	glycosidic bonds			
650)	Which of the following factors can affect enzyme	e activi	ty?	D		
,	A. pH B. temperature					
	C. ions the presence of certain metal	D.	all of the above			
651)	Anaerobic metabolism refers to the generation of	of ATP		С		
,	A. without the use of glycogen	B.	without the involvement of ADP			
	C. without the use of oxygen	D.	in the absence of available oxygen			
652)	Glycolysis is the name given to the pathway invo	lving t	he conversion of:	A		
	A. glycogen or glucose to pyruvate or lactate	В.	glycogen to glucose-6-phosphate			
	C. glycogen or glucose to fructose	D.	glycogen or glucose to pyruvate or acetyl CoA			
653)	The enzymes of glycolysis are located in the		<u> </u>	A		
,	A. cytoplasm	B.	nucleus			
	C. lysosomes	D.	mitochondrion			
654)	How many CO2 and ATP molecules are formed during one complete turn of the tricarboxylic acid cycle (Krebs' cycle)?					
	A. 2CO2 and 2ATP	B.	2CO2 and 16ATP			
	C. 2CO2 and 12ATP	D.	2CO2 and 1ATP			
655)	Pathways for the movement of water across the re	oots are		В		
	A. Five pathways	B.	Three pathways			
	C. Six pathways	D.	Non of above			
656)	Apoplastic movement of water is through	•		В		
	A. Living portion of cell	В.	Non living portion of cell			
	C. Both a & b	D.	Non of above			
657)	Symplastic movement of water is through	•		A		
	A. Living portion of cell	В.	Non living portion of cell			
	C. Both a & b	D.	Non of above			
658)	The process of guttation is due to			С		
	A. Transpiration	B.	Evaporation	-		
			h			
	C. Root pressure	D.	Evapo-transpiration			
659)	•	D.	Evapo-transpiration	В		

	C. Carbon D. Oxygen				
660)	At which temperature density of water is maximum	С			
000)	A. 10 °C B. 6 °C				
	C. 4 °C D. 0 °C				
661)	Relative effectiveness of different wavelengths of light on photomorphogenesis is known as	A			
00-)	A. Action spectrum B. Absorption spectrum				
	C. High intensity of light D. Low intensity of light				
662)	Phytochromobilins are synthesized in	В			
,	A. Mitochondria B. Plastids				
	C. Vacuole D. Nucleus				
663)	Respiratory substrates are of	A			
,	A. Four types B. Six types				
	C. Eight types D. Ten types				
664)	Hypoxic condition is	В			
,	A. Zero oxygen B. Low amount of oxygen				
	C. High amount of oxygen D. All above				
665)	PPi-PFK enzyme is found only in	D			
,	A. Animals B. Fungi				
	C. Viruses D. Plants				
666)	In plants cytosolic NADH+H is equal to	В			
,	A. Three ATPs B. Two ATPs				
	C. Four ATPs D. Non of above				
667)	How many enzymes are involved in Krebs cycle?	С			
,	A. Four B. Six				
	C. Eight D. Ten				
668)	In plants net energy balance of aerobic respiration is				
/	A. 36 or 37 ATPs B. 36 ATPs				
	C. 37 ATPs D. 38 ATPs				
669)	Inhibitors of complex-I of electron transport chain are	D			
,	A. Antimycin a and DPI B. CO and CN				
	C. SHAM D. Amytal and Rotenone				
670)	Inhibitors of complex-III of electron transport chain are	A			
,	A. Antimycin a B. CO and CN				
	C. SHAM D. Amytal and Rotenone				
671)	Inhibitors of complex-IV of electron transport chain are	В			
,	A. Antimycin a and DPI B. CO and CN				
	C. SHAM D. Amytal and Rotenone				
672)	Inhibitors of alternative oxidase of electron transport chain are	C			
	A. Antimycin a and DPI B. CO and CN				
	C. SHAM D. Amytal and Rotenone				
673)	Those organs or tissue where food is synthesized or available is known as	A			
013)	A. Source B. Sink	7.1			
	C. Stem D. Root				
674)	Femporary plugging in plants is by	В			
0/ 7 /	A. Cellulose B. P-proteins	ъ			
	C. Glucose D. Lipids				
675)	The movement of photosynthates from chloroplast of mesophyll cells to sieve tube is called	С			
013)	A. Short distant transport B. Phloem unloading				
(7.0)	C. Phloem loading D. Long distant transport				
676)	The color of chromoplasts is never	D			

	A. Red B. Blue	
	C. Yellow D. Green	
677)	The centers of light harvesting in the thylakoid membrane are	A
,	A. PSII & PSI B. PSII & Plastog	lobulii
	C. PSII & strome D. PSII & pyreno	
678)	The peripheral reticulum is present is	В
,	A. Golgi bodies B. Chloroplast	
	C. Mitochondria D. Peroxisomes	
679)	The plastoglobulii are more commonly found in	C
	A. Chloroplasts B. Chromoplasts	
	C. Etioplasts D. Amyloplasts	
680)	The proteins for RUBISCO are encoded	С
	A. In chloroplast only B. In nucleus only	1
	C. In both chloroplast and nucleus D. Neither in chloroplast	roplast nor nucleus
681)	The genome size of the chloroplast is	A
	A. 120-160 kb B. 500-600 kbp	
	C. Less than 50 kbp D. 1000 kbp	
682)	The chloroplast has been thought to be evolved as a result of	В
,	A. Exosymbiosis B. Endosymbiosis	3
	C. Invegination D. Reduplication	
683)	The endomembrane system consists of	D
000)	A. Endoplasmic reticulum B. Golgi bodies	
	C. Nuclear envelop D. All of these	
684)	Which among the following are branched endoplasmic reticulum	С
001)	A. Cisternae B. Vesicles	
	C. Tubules D. None of these	-
685)	Biochemically the ribosomes are	В
005)	A. Riboproteins B. Nucleoproteins	
	C. Sulphoproteins D. Glycoproteins	,
686)	The protein synthesis in ribosomes is comprised of	A
000)	A. Three steps B. Four steps	
	C. Five steps D. Six steps	
687)	Through the newly synthesized peptides enter into the	e lumen of rER C
007)	A. Depressions B. Pores	o famen of file
	C. Translocons D. All of these	
688)	Plate formation during cell division in plant cells is facilitated by	D
000)	A. Signal peptides B. Lysosomes	
	C. Nucleus D. Dictyosomes	
689)	Main function of Golgi bodies is to the cell produ	cts D
007)	A. Finish Sort	
	C. Ship All of these	
690)	The outer membrane of nucleus is contiguous with	A
090)	A. Endoplasmic reticulum B. Golgi bodies	71
	C. Eye spot D. Flagellar base	
691)	The molecules >100 Da can only enter the nucleus via	C
091)	A. Envelop lamins B. Channels	
	C. Nuclear pore complexes D. None of these	
692)	The source of strength and architecture for the nucleus is/are	В
094)	A. Dermins B. Lemins	D D
	C. Lipins D. Pterins	
693)	The function of nuclear localization sequences (NLSs) is to target the	В
073)	A. Ions to the nucleus. B. Proteins to nucleus.	
	C. Carbohydrates to nucleus D. Nucleic acids to	
	C. Carbonyurates to nucleus D. Inucleic acids t	o nucleus

694)	The karyopherins are	A			
,	A. Nuclear import receptors B. Organelles import receptors				
	C. Vacuolar import receptors D. D. Thylakoid import receptors				
695)	The pH inside the lysosomes is	A			
,	A. 4.8 B. 6.8				
	C. 8.8 D. 10.2				
696)	There are basic types of lysosomes	В			
,	A. Three B. Four				
	C. Five D. Six				
697)	Long-chain and branched fatty acids are broken down by	D			
,	A. Golgi bodies B. Lysosomes				
	C. Vacuolar enzymes D. Peroxisomes				
698)	Scavenging of hydrogen peroxide takes place by	A			
,	A. Catalase B. Peroxidase				
	C. Superoxide dismutase D. Hydrolase				
699)	The metabolites shuttling from peroxisome to mitochondrion is	A			
/	A. Glycine B. Aspartate				
	C. Alanine D. Acetyl CoA				
700)	One main function of peroxisomes during morphogenesis in plants is restoration of	В			
,	A. Green color B. Etiolation				
	C. Statocyte formation D. Cryptochrome synthesis				
701)	Shoot elongation and root growth inhibition is mainly due to	С			
/	A. Auxin B. Vitamin				
	C. Brassinosteroid D. Gibberellin				
702)	Brassinosteroids increase the tolerance against				
/	A. Salinity B. Drought				
	C. High temperature D. All of them				
703)	Maximum concentration of Brassinosteroids are found in	D			
,	A. Stem B. Roots				
	C. Leaves D. Pollens				
704)	Abscisic acid caused the stomata to	В			
,	A. Open B. Close				
	C. No effect D. Both effect				
705)	Brassinosteroids caused the stomata to	A			
,	A. Open B. Close				
	C. No effect D. Both effect				
706)	Those hormones or compounds which possess two or more than two amino groups	В			
,	A. Poly hormones B. Polyamines				
	C. Tocopherols D. Vitamins				
707)	Putrescene contains	A			
	A. 2 amines B. 3 amines				
	C. 4 amines D. 5 amines				
708)	Spermidine contains	В			
,	A. 2 amines B. 3 amines				
	C. 4 amines D. 5 amines				
709)	Spermine contains	С			
,	A. 2 amines B. 3 amines				
	C. 4 amines D. 5 amines				
710)	Number of carbon atoms in Cadaverine are	A			
,	A. 5 B. 10				
	C. 15 D. 20				
	Arginine decarboxylase is localized in	С			
711)	Arginine decarboxyrase is localized in				

	C. Chloroplast	D.	Nucleus	
712)	Cadaverine is decarboxylation product of am	ino acid		В
,	A. Glycine	В.	Lysine	
	C. Methionine	D.	Cystein	
713)	Ancient Egyptians used for ripe	ning proce	SS	С
,	A. Auxin	B.	ABA	
	C. Ethylene	D.	Polyamines	
714)	Triple response hormone is		1 -	D
	A. ABA	B.	Auxin	
	C. Polyamines	D.	Ethylene	
715)	Number of hydrogen atoms in ethylene is	I		В
,	A. 2	B.	4	
	C. 6	D.	8	
716)	Ethylene can easily diffuse through	<u> </u>		В
,10)	A. Soil	В.	Membrane	
	C. Stem	D.	Root	
717)	Color of ethylene gas is	Р.	Root	D
111)	A. Red	В.	Blue	
	C. Orange	D.	Colorless	
718)	Ethylene biosynthesis occur through	<u>р.</u>	Coloriess	A
/10)	A. Yang's cycle	В.	Carbon cycle	Λ
	C. Calvin cycle	D.	Glyoxylate cycle	
719)	AVG inhibited the biosynthesis of	υ.	Olyoxylate cycle	D
/19)	·	Ь	Auxin	D D
		В.		
720)	C. Polyamines	D.	Ethylene	A
720)	Artificial ripening of fruits is done by	<u> </u>	LAD A	A
	A. Ethylene	В.	ABA	
	C. Auxin	D.	Polyamines	
721)	ABA is absent in		To.	С
	A. Trees	B.	Shurbs	
	C. Bacteria	D.	Algae	
722)	The growth inhibitor hormone is			A
	A. ABA	В.	Auxin	
	C. Polyamines	D.	Triacontanol	
723)	Water deficit condition signal is transferred the	hrough		A
	A. ABA	В.	Tocopherol	
	C. Batasins	D.	Gibberellin	
724)	Which of the hormone is involved in Gravito	pism		В
	A. Tocopherol	В.	ABA	
	C. Auxin	D.	Triacontanol	
725)	Seed storage protein accumulation is	by A	ABA	A
,	A. Increased	B.	Decreased	
	C. Remain of constant	D.	Non of them	
726)	In atmosphere nitrogen in the form of N2 is	about	•	D
,	A. 76%	В.	77%	
	C. 75%	D.	79%	
727)	Conversion of inert nitrogen into useable for			A
, 21)	A. Nitrogen fixation	B.	Nitrogen metabolism	71
	C. Nitrogen destruction	D.	Nitrogen assimilation	
728)	More than 90 % of nitrogen is fixed through	υ.	ratiogen assimilation	В
120)	. I	В.	Biological nitrogen fixation	D
	A. Lightening C. Photochemical reactions	D.	Non of them	
	IC. IF HOLOCHEHHEAT TEACHORS	IJ.	DINOR OF HIGH	1

	A. NO3	B.	NO2		
	C. NH4	D.	HNO3		
730)	Nitrate reductase occurs in	1	-		
	A. Chloroplast	B.	Matrix	С	
	C. Cytosol	D.	Vacuole		
731)	Sulfur is absorbed by the plants in the form of		1	В	
ĺ	A. SO3	B.	SO4		
	C. H2S	D.	H2SO4		
732)	Thioredoxin widely occurs in plants is			С	
	A. Lipids in nature	B.	Carbohydrate in nature		
	C. Protein in nature	D.	Non of them		
733)	Glutathione is made up of	<u> </u>		В	
,	Glutamate, cysteine and proline	L			
	A.	В.	Glutamate, cysteine and glycine		
	C. Glutamate, cysteine and lucine	D.	Glutamate and glycine		
734)	Main purpose of glyoxylate pathway is	<u> </u>			
, , ,	A. Conversion of carbohydrates to CO2	B.	Conversion of fats to glucose	В	
		Γ.	Conversion of rais to gravess	_	
	C. Both a & b	D.	Non of them		
735)	Process by which glucose is synthesized from the	comp		D	
733)	A. Pentose phosphate pathway	В.	Glucogenesis		
	in Pontose phosphate pathway	Γ.	Graeogenesis		
	C. Photorespiration	D.	Gluconeogenesis		
736)	Oxidative decarboxylation takes place in				
730)	A. Plastids	B.	Vacuole	C	
	C. Mitochondria	D.	Vacuole	\exists	
737)	Fe-S protein and cytochrome have the ability to r			В	
131)	One electron and one proton at a time				
	A. One electron and one proton at a time	В.	One electron at a time		
	C. One electron and two protons at a time	D.	Two electrons and two protons at a time		
738)	FMN and UQ have the ability to receive and tran		Free Free Free Free Free Free Free Free	D	
730)	A. One electron at a time	В.	One electron and one proton at a time		
	C. One electron and two protons at a time	D.	Two electrons and two protons at a time		
739)	Starch is storage carbohydrate which is stored in	Ρ.	Two elections and two protons at a time	A	
139)	A. Chloroplast	В.	Vacuole	- A	
	C. Mitochondria	D.	Golgi bodies		
740)	Almost ten glucose molecules are present in	ρ.	Goigi vodies	A	
740)	A. Dextrins	В.	Inuline	- A	
	C. Verbascose sugars	D.	Stachyose		
741)	During CN resistant respiration energy is generat	Γ.		В	
741)	A. ATP	B.	Heat	- B	
	C. FADH2	D.	NADPH		
742)	The process of Krebs cycle operates in	ν.	μν. ΔΙΙΙ	С	
142)	A. Stroma	В.	Cytosol		
	C. mitochondria	D.	Cytosol	-	
742)	Maltose is combination of	υ.	Cytosor	D	
743)		Ь	Fructose + fructose	D	
	A. Glucose + fructose C. Sucrose + glucose	B. D.	Glucose + Glucose	-	
744)	When glycerol phosphate shuttle is operative the			A	
744)	. Ia			A	
		В.	2.5 ATP	_	
7.45	C. 3 ATP	D.	3.5 ATP		
745)	When malate-aspartate shuttle is operative then N		1	C	
	A. 2 ATP	В.	2.5 ATP	_	
	C. 3 ATP	D.	3.5 ATP		

746)	The plants which produce heat energy during CN resistant respiration are known as					
,	A.	Thermogenic plants	В.	Aquatic plants	A	
	C.	Monocot	D.	Dicot		
747)		process in which heat energy is gene			В	
,,	A.	Photosynthesis	В.	Thermogenesis		
	C.	Glucogenesis	D.	Glycolysis		
748)	Perm	anent plugging in plants occurs due	to		С	
,	A.	Glucose	В.	Proteins		
	C.	Callose	D.	Cellulose		
749)	In seive elements is absent					
	A.	Nucleus	B.	Mitochondria		
	C.	Plastids	D.	Endoplasmic reticulum		
750)	The j	pathway by which metabolites move	through plasm	odesmata is known as	В	
i	A.	Apoplastic pathway	В.	Symplastic pathway		
	C.	Diffusion	D.	Osmosis		
751)	Pol	len in grasses are mostly		•	В	
	A.	Echinate	В.	Psilate		
	C.	Rugose	D.	Tricolpate		
752)	Spe	eciation taking place in millions of y	ears is called		С	
İ	_	I a		1.11	_	
	A.	Sympatric	В.	Allopatric		
	C.	Gradualism	D.	Punctuated equilibrium		
753)	A s	ystem in which fluid loses density of	due to heat and	is forced into region of greater density is called	A	
	A.	Convection cell	В.	Tectonic cell		
	C.	Transfer cell	D.	Continental cell		
754)	Poa	aceous plants are characterized by ha	aving		D	
Ī	A.	Tricolpate pollen	В.	Dicolpate	_	
	C.	Polyporate pollen	D.	Monoporate pollen		
755)	The	e first stage of taphonomy is	P.	prioroporate ponen	A	
l	A.	Disarticulation	B.	Dispersal		
	C	Accumulation	D.	Fossilization		
756)	Pol	onium is present in			D	
	A.	Poaannua	В.	Tecomellaundulata		
	C.	Conocarpus erectus	D.	Calotropis procera		
757)	In	early angiosperms pollen were			A	
l	A.	Small	В.	Large		

758)	Mesosaurus that is now extinct, is a type of				
	A.	Mammal	В.	Bird	
	C.	Lizard	D.	Fish	
759)	Most	resistant organic material found in nature	e and in g		D
,	A.	Intine	В.	Nexine	
	C.	Sexine	D.	Sporopollenin	
760)	Acc	cording to pseudanthial hypothesis angios	spermic fl		A
	A.	Compound gymnosperm strobilus	В.	Simple gymnosperm strobilus	
	C.	Compound angiosperms	D.	None of these	
761)	One	e of the most common type of plant fossils	s is		С
	A.	Mold	В.	Cast	
	C.	Compression	D.	Depression	
762)	Mo	st common plant parts preserved as compa	ression ar		D
	A.	Stem	B.	Roots	
	C.	Flowers	D.	Leaves	
763)	Commonly used research tool in paleobotany to illustrate pollen morphology is				
	A.	TEM	В.	LM	
	C.	SEM	D.	All of these	
764)	Lat	est and specific definition for sporopollen	in was pro	oposed at the international symposium in	В
	A.	1961	B.	1971	
	C.	1981	D.	1951	
765)	Most suitable sites for exploring plant fossils are				
	A.	Deserts	B.	Rock sediments	
	C.	Forests	D.	Foot hills	
766)	If the	he P/E ratio is one, shape of pollen is			A
		Spherical			
	A.		В.	Oblate	
	C.	Peroblate	D.	Subprolate	
767)	Ace	etocarmine is used to estimate	•		В
	A.	Pollen number	В.	Pollen fertility	
	C.	Pollen shape	D.	Pollen size	
	T .	Panicum antidotale pollen are		•	С

	A.	Echinate	В.	Tricolpate	
	C.	Psilate and monoporate	D.	Periporate	
769)		term palynology was introduced by	<u> </u>	· ····po·····	В
	A.	Wode house	В.	Hyde and Williams	
	C.	Erdman	D.	N.Grew	
770)		cobotany is derived from Paleon, that is a	I		A
	A.	Greek word	В.	Latin word	
	C.	Spanish word	D.	French word	
771)	If th	ne pollen size is more than 200 µm, pollen ar	e cons	idered	D
	A.	Medium	В.	Large	
	C.	Very large	D.	Gigantic	
772)			v the d	decomposition and destruction of organisms has	A
	A.	Bio taphonomy	В.	Geo taphonomy	
	C.	Paleo taphonomy	D.	Soil taphonomy	
773)	Plar	nts belonging to family Malvaceae have	•		С
	A.	Psilate pollen	B.	Perforate pollen	
	C.	Echinate pollen	D.	Rugulate pollen	
774)	The s	tudy of pollen contained in honey and in par	ticular	the source of	C
	A.	Forensic palynology	В.	Paleopalynology	
	C.	Melissopalynology	D.	None of these	
775)	Prese	rvation of whole plant or plant parts in growt	Г.		A
,,,,,	A.	In situ	B.	Ex situ	11
	C.	Spot preservation	D.	Whole plant preservation	
776)	The process in which as sediments accumulate, water is squeezed out and sediments become compact and plant fragments contained within them become flattened, is known as				
	A.	Mold	B.	Cast	
	C.	Compression	D.	Preservation	
777)	Most common plant part preserved in the form of compressions is				
	A.	Root	В.	Leaf	
	C.	Stem	D.	Flower	
778)	Con	nmonly used research tool in paleobotany to	illustra	ate pollen grains is	С
	A.	LM	В.	EM	
1					

779)	Asclepiadaceae is characterized by having				
	A.	Psilate pollen	В.	Pollinium	
	C.	Echinate pollen	D.	No pollen	+
780)		ate pollen with smooth wall are present in	P·	pro ponen	С
	A.	Asteraceae	В.	Apiaceae	
	C.	Poaceae	D.	Clusiaceae	
781)	Ang	giosperms dominance increased in			В
	A.	Jurassic period	B.	Paleogene period	1
	C.	Neogene period	D.	Quaternary period	
782)	Mar	rine algae became abundant and fungi were	diversi	fied on land in	A
		a) Paleozoic era			=
	A.	b) c) d)	В.	Mesozoic era	
	C.	Cenozoic era	D.	None of these	1
783)	Old	est fossils of eukaryotic cells appeared in	,		С
	A.	Devonian period	В.	Silurian period	_
	C.	Ediacaran period	D.	Cambrian period	-
784)	Formation of species in thousands of years is known as				
	A.	Punctuated equilibrium	B.	Gradualism	
	C.	Allopatric	D.	Sympatric	
785)	Most resistant organic materials found in nature and in geological samples are				
	A.	Exine	В.	Intine	1
	C.	Sexine	D.	Sporopollenin	
786)	earl	iest studies on the exine of pollen were by .	John in		A
	A.	1814	В.	1815	
	C.	1816	D.	1820	+
787)		ecent definition of sporopollenin was propos			В
	A	Confinence	Ь	C	4
	A.	Conference	В.	Symposium	
	C.	Seminar	D.	Workshop	-
788)		mically sporopollenin is an oxidative polyn			С
		Caratana	Ь	Vanyonhydl	4
	A.	Carotene	В.	Xanyophyll	

	C.	Carotenoids	D.	None		
789)	Pollen in different sediments show gradual colour changes from pale yellow to					
	A.	Dark brown	В.	Black		
	C.	Light yellow	D.	Red		
790)		anges in pollen colour in sedime			В	
		D		T		
	A.	Pressure	В.	Thermal changes		
				-		
791)	C.	Geological time	D.	Exine nature	D	
791)	All	continents were combined in a	single land mass ca.	ned Pangaya about	В	
	A.	200 million years ago	В.	250 million years ago		
	C.	100 million years ago	D.	150 million years ago		
792)	Pan	gaya was broken down into two	masses called Lau		С	
	<u> </u>	G 1	b	YY		
	A.	Sandwana	В.	Harrapa		
	C.	Gondwana	D.	All of these		
793)	43.Colpus in pollen is the type of					
	A.	Spine	В.	Aperture		
	C.	Pore	D.	Exine		
794)	Pollen with spines on exine are termed as					
	_	Psilate		G 1 ·		
	A.		В.	Scabrate		
795)	C.	Echinate	D.	Foveolate	В	
193)	Pollen in which two polar areas can not be differentiated are called					
	A.	Heteropolar	В.	Apolar		
	C.	Isopolar	D.	None of these		
796)		len are produced on	р.	rone of these	В	
	A.	Stigma	В.	Anthers		
	C.	Seeds	D.	Carpel		
797)	Mo	stly the pollen terminology used	today is given by		В	
	<u> </u>	W. 1.1	b	P. 1		
	A.	Wodehouse	В.	Erdtman		
	C.	N. Grew	D.	Hyde		
798)	In c	compression plant fragments pre	sent in rock sedeme	ents	A	
		Become flattened				
		1	1	I and the second	1	
	A.		В.	Squeezed		

	C. Freezed	D. Are melted			
799)	Pollen fertility can be determi		A		
,	j	, ,			
	A. Aceto carmine	B. Lactic Acid			
	C. Acetic Acid	D. Glycerin jelly			
800)	Science of assigning sediment	ary rocks to a known geological period is called	A		
		L 1			
	A. Biostratigraphy	B. Geochronology			
	C. Sedimentology	D. Paleontology			
801)	<i>-</i>	g of three distinct parts is named as:	D		
801)	A. Lyso	B. Endoplasmic reticulum			
	C. Vacuole	D. Golgi bodies			
802)		phan metabolism in mitochondrial membrane is	С		
802)	A. Proteinase	B. Keto-glutarate			
	C. Kynureninase	D. Isomerase			
803)		oranes, the quantity of lipids is greater in	A		
003)	A. Outer membrane	B. Inner membrame	71		
	C. Equal in both membrane				
804)	Cardiolipin is a lipid which is u	1 1	В		
00.)	A. Chloroplast	B. Mitochondria			
	C. Vacuole	D. Nucleus			
805)	Mitochondrial membrane freely permeable to oxygen, water and CO ₂ is				
,	A. Outer membrane	B. Both membranes			
	C. Inner membrane	D. None is permeable			
806)	An organelle responsible for ce	Ilular components degradation is	В		
	A. Peroxisomes	B. Lysosome			
	C. Proeosomes	D. Golgi complex			
807)	The formation of Acetyl-CoA in respiration takes place in				
	A. Mitochondrial matrix	B. Outer mitochondrial membrane			
	C. Inner mitochondrial me	1			
808)		in component cytochrome c is	A		
	A. heme c	B. D2 protein			
000)	C. Myelin	D. biliverdin	-		
809)	The so called endosymbiosis hy A. Glenn Margulis		D		
	A. Glenn Margulis C. Ann Margulis	B. Dave Margulis D. Lynn Margulis			
810)	More genes in the mitochondria	•	С		
810)	A. L-strand	B. K- strand			
	A. L-straild	D. K- Strand			
	C. H-strand	D. G- strand			
811)	Matrix in mitochondrion is syn		В		
)	A. Outer membrane area	B. Stroma			
	C. Intermembrane space	D. None of these			
812)		st, the translocon has a molecular mass of about	A		
-/	A. 1000 kDa	B. 1200 kDa			
	C. 1500 kDa	D. 2000 kDa			
813)	The pH of the space within the		В		
	A. Extremely acidic	B. alkaline			

	C Neutral	D No pH has been reported			
814)	are more com	non in chloroplast when it is under oxidative stress	D		
	A. Plastocyanin	B. Pyrenoids			
	C. Starch bodies	D. Plastoglobulii			
815)	In chloroplast genome, the gene(s) enco	ling the small subunit of RUBISCO is/are	A		
	A. Non existent	B. Some are presnt			
	C. Some de novo synthesized	D. All are predominantly expressed			
816)	The division of chloroplast takes place v		В		
/	A. FstZ	B. FtsZ			
	C. FZst	D. none			
817)	The endoplasmic reticulum are thought	to be originated as of plasma membr	rane C		
	A. Invagination	B. In-cutting			
	C. Infolding	D. By any of these ways			
818)	The ribosomes when found together are	called as	A		
İ	A. Polysomes	B. Autosomes			
	C. Multisomes	D. Oligosomes			
819)	Actual sorting and processing of macron	-	D		
	A. Cis-Golgi	B. Trans-Golgi			
	CMarginal-Golgi	D. Medial-Golgi			
820)	is the site	where inner and outer nuclear membranes fuse	C		
	A. Leminar pore complex	B. Medial pore complex			
	C. Nuclear pore complex	D. None of these			
821)	Christian de Duve received Nobel Prize in Physiology for discovering lysosomes				
	A 1981	В. 1977			
	C. in 1974	D. 1968			
822)	The enzyme is responsible for scavenging of hydrogen peroxide				
	A. Dismutase	B Oxidase			
	C. Kynureninase	D. Catalase			
823)	During mitosis the replication of organelles takes place during of interphase				
	A. Gap-0 phase	B. Gap-1 phase			
	C Gap-2 phase	D. Any of these			
824)	Chiasmata formation takes place during	in meiosis	A		
	A. Division-1	1 Division-2			
	C. Division-1 & 2	D. None of these			
825)	One Giga is equal to	h 1.02	D		
	A. 10 kilo	B. 10 ³ kilo			
	C. 10 ⁶ kilo	D. 10 ⁹ kilo			
826)	A cell without a nucleus and organelles		A		
	A. Spirillum cell	B. Sieve cell			
0.5-	C. Tracheid cell	D. Egg cell			
827)	The ribosomes within the nucleus are sy		C		
	A. Centriole	B. Lemin			
000	C. Nucleolus	D. Nucleoplasm			
828)	The role played by the lysosomes is mai	nıy	D		
	A. Neutral	B. Locomotory			
	C. Anabolic	D. Catabolic			
829)	Teichoic acids are found in the cell wall		C		
	A. Chara	B. Penecillium			
	C. Bacillus	D. All of these			

830)	A bacterial cell showing movement in all direct	tions will	be regarded as	D	
	A. Allotrichous	В.	Amphitrichous		
	C. Monotrichous	D.	Peritrichous		
831)	Introns are present in all except in	<u>F</u>		В	
001)	A. Amoeba	В.	Bacillus	7	
	C. Paramecium	D.	Chlamydomonas		
832)	Cell wall proteins are not glycosylate in	<u>F</u>		С	
032)	A. Soybean	В.	Tomato		
	C. Petunia	D.	None of these		
833)	Along with chitin the glucan is present in all e	xcept	r tone or west	A	
033)	A. Zygomycota	В.	Basidiomycota		
	C. Chotridiomycota	D.	Ascomycota		
834)	The term pinocytosis refers to	Р.	riscomycota	В	
054)	A. Cell eating	B.	Cell drinking	⊢ "	
	C. Cell cleavage	D.	Cytosis	\dashv	
835)	Among the sterols, that present in plant is	р.	Cytosis	С	
633)	A. Cholesterol	В.	Ergosterol	\dashv	
	C. Stigmasterol	D.	Sphingosterol	_	
926)	Among various anthocyanidins, the cyaniding	is found i		- D	
836)	. 1=		•	D	
		В.	Tomato	_	
0.25)	C. Wheat	D.	Rose		
837)	Cells lacking a nucleus but still have genome a			A	
	A. Prokaryotes	В.	Eukaryota		
	C. Both of these	D.	None of these	С	
838)	Most functions in prokaryotes are performed by				
	A. Cell wall	В.	Mesosomes		
	C Plasmalemma	D.	Heterosome		
839)	Fungi and most bacteria are non-photosyntheti wall	c, they ye	et differ from plants in having	A	
	A. Non-cellulosic	В.	Suberized		
	C. Double layered	D.	Pectinated		
840)	The function of is to fill the	e cell and	suspend the organelles	С	
	A. Cell wall	B.	. Vacuole		
	C. Cytosol	D.	Lysosomes		
841)	Among different functions of		, it regulates Ca levels and breaks the toxic	D	
,	substances				
	A. Golgi bodies	B.	Rough ER		
	C. Peroxisomes	D.	. Smooth ER		
842)	is the cell's waste warehouse				
- /	A. Cis-Golgi	B.	Lysosomes	C	
	C. Vacuole	D.	All of these		
843)	Compared to outer membrane, the inner mitoc	hondrial 1		A	
0.0)	A. Protein/lipid	B.	Proteins/carbohydrates		
	C. Carbohydrates/lipids	D.	Lipids/calcium	=	
844)	In respiratory electron transport chain, last el	F -		D	
0++)	A. A. Cyt-f	B.	Cyt-b3	٦ ٦	
	C. Cyt-a1	D.	Cyt-a3	\dashv	
0.15	Corresponding to matrix in mitochondria, the			D	
845)	1 0			В	
	A. intermembrane space	В.	Stroma	\dashv	
0.45	C. Lumen	D.	Locule	-	
846)	The complex concerned with ATP synthesis is		IATED : 11	C	
	A. F_0F_1 ATPase	В.	ATP oxidase		

	C. F1F ₀ ATP synthase	D. ATP kinase				
847)	The Calvin cycle takes place in	of the chloroplast	A			
,	A. Stroma	B. Thylakoid lumen				
	C. Grana	D. All these sites				
848)	Like mitochondria, the genome of ch	loroplast is also	В			
	A. linear	B. Circular				
	C. Reticulate	D. Fragmented				
849)	During cytokinesis, the division of pl		A			
	A. Bacteria	B. Amoeba				
	C. Statospore	D. Oedogonium				
850)	Among the various types of endoplasm		C			
	A. Tubule	B. Cisternae				
0.71)	C. Vesicles	D. None of these				
851)	Of the two divisions,	occurs earlier to	A			
	A. Karyokinesis, cytokinesis	B. Cytokinesis, karyokinesis				
0.50\	C. Both take place at the same time		-			
852)		uired for the elongation phase of protein synthesis	В			
	A. Reducing factors	B. Elongation Factors				
	C. Strengthening factors	D. None of these				
853)		sugar residues to the newly synthesized proteins	D			
	A. Glucolation	B. Glycogenation				
	C. Glucogenation	D. Glycosilation				
854)	For his great discovery Camillo Golgi was awarded Nobel prize in					
	A. 1906	B. 1912				
	C. 1915	D. 1919	В			
855)	In Golgi complex, is the shipping end					
	A. Cis-Golgi	B. Trans-Golgi				
	C Medial Golgi	D. Lateral-Golgi				
856)	Many assemble together to form the Golgi bodies					
	A. Dictyosomes	B. Lamellae				
0.75	C. Vesicles	D. All of these				
857)	Nuclear lamina is structurally compose		A			
	A. Lamins C. Leumens	B. Laminins D. Limans				
0.70\						
858)	Number of lamins in human nuclear		D			
	A. Two C. Seventeen	B. Four D. Seven				
050)	C. Seventeen After their synthesis in	the Lysosomes are packed in Golgi complex				
859)	·		C			
	A. Nucleus	B. Peroxisomes				
	C. Rough ER	D. Smooth ER				
860)	The process in plants in which three or		В			
	A. Respiration	B. Photorespiration				
	C. β-oxidation	D. Photosynthesis				
861)	Which of the following does not contain		A			
,	A. Bacillus	B. Maize				
	C. Amoeba	D. Chara				
862)	Single membrane is present in		D			
	A. Chloroplast	B. Nucleus				
	CMitochondria	D. Lysosome				

863)	The	is called the warehous	e of the cell		С
003)	A.	Lysosome	В.	Golgi Apparatus	
	C.	Vacuole	D.	None of these	
864)	The	e out membrane of the mitochondria c	ontains	phospholipids	В
	A.	40%	В.	50%	
	C.	60%	D.	. 70%	
865)	Bilay	er and non-bilayer phospholipids hav	re		С
	A.	Same shapes	В.	Similar shapes	
	C.	Different shapes	D.	No shapes	
866)	The			t system and the synthesis of ATP	A
	A.	Cristae	B.	Matrix	
	C.	Inter-membrane space	D.	Outer membrane	
867)		formation of actyl-CoA is catalyzed b			D
	A.	Pyruvate oxidase	В.	Pyruvate ligase	
	C.	Pyruvate synthase	D.	Pyruvate dehydrogenase	
868)		CA cycle, with the addition of Acetyl			В
	A.	Oxaloacetate	В.	Citrate	
	C.	Malate D.	D.	α-keto-glutarate	
869)	Amo	ng three stages of fatty acid catabolish	m, the first sta		В
	A.	α-oxidation	В.	β-oxidation	
	C.	λ-oxidation	D.	. None of these	
870)	The p	percentage of proteins encoded by the	mitochondria	genome in the mitochondria is	A
	A.	Less than 10%	B.	More than 50%	
	C.	About 100%	D.	Less than 1%	
871)	Among a number of similarities of bacteria and mitochondria, one is that both have				
ŕ	A.	Linear genome	В.	Fragmented genome	
	C.	Circular genome	D.	Genome is absent in both	
872)	Replication in the mitochondrial genome starts with				
ĺ	A.	H strand	B.	L strand	
	C.	H loop	D.	L loop	
873)	In the skeletal muscle, the mitochondrial biogenesis increases with				
,	A.	Exercise	В.	Electrical stimulation	
	C.	Development	D.	All these ways	
874)	Prop	lastids are found in	•		D
,	A.	Mature tissues	В.	Least developed tissues	
	C.	Lignified tissues	D.	Tissues which have ceased to develop	
875)	Stato	liths are found in	•		С
,	A.	Shoot apical cells	В.	Floral cells	
	C.	Root cap cells	D.	. Root elongation zone	
876)	Qua	adrates having smallest perimeter kno		<u>.</u>	C
	A.	Rectangular quadrate	В.	Sequre quadrate	
	C.	Round quadrate	D.	None of these	
877)	Whic	ch size of Quadrates used for sampling One meter square	g of shrubs B.	Five meter square	В
	C.	Ten meter square	D.	Two meter square	
878)		type of method in which sampling is a			В
370)	A.	Regular	B.	Subjective	─ "
	C.	Random	D.	None of these	
879)		lrates used for measurement of dry we			D
017)	A.	Census quadrate	B.	Chart quadrate	— u
	1, -,				

	D D D				
000)	C. Basal area quadrate D. Clip quadrate				
380)	Method used for measurement of plants width perpendicular to transect line .	A			
	A. Eberhadt method B. Weinberg method				
	C. Belt Method D. Chart method				
81)	The method used for study of circular organism for ensuring of accuracy	В			
	A. Strong method B. Weinberg method				
	C. Clip method D. Transect method				
882)	Which method is used to know the variation in species composition .	A			
	A. Transect method B. Distance method				
	C. Nearest individual method D. Belt method				
883)	The type of method used to measure the relationship of plants .	C			
	A. Line transect method B. Belt transect method				
	C. Distance method D. Strong method				
884)	Horizontal study of vegetation of a community known as .	В			
	A. Distance method B. Bisect method				
	C. Randomly pairs method D. Nearest neighbour method				
885)	The study of three dimensional projection of canopy in air known as	D			
	A. Canopy cover B. Basal cover				
	C. Foliar cover D. Crown cover				
886)	is the relative contribution of species to entire community.	C			
	A. Density B. Frequency				
	C. Relative importance value D. Importance value				
887)	In which method we studied the impact of species on plant community structure .	C			
	A. Abundance B. Richness				
	C. Dominance D. Relative abundance				
888)	The sideways bar graph essentially used for assessment of wildlife habitats.				
	A. Canopy profiles B. Canopy cover				
	C. Crown cover D. Ground cover				
889)	is used for measument of age of tree.	D			
	A. Clinometer B. Clipper				
	C. Measuring tape D. DBH				
890)		С			
	The cover equal to shadow cast when the sun is directly overhead.				
	A. Canopy cover B. Basal cover				
	C. Foliar cover D. Crown cover				
891)	Number of time a species occurred in total number of sampled quadrates.	В			
	A. Density B. Frequency				
	C. Relative frequency D. Importance value				
892)	The method used for measurement of foliar cover.	A			
,	A. Leaf area index B. Shanon Index				
	C. Net assimilation rate D. Leaf area				
893)	The method used to determine the stability of habitats.	D			
-,-,	A. Canopy cover B. Basal cover				
	C. Foliar cover D. Grond cover				
894)	The term species was defined on the basis of .	D			
	A. Behavioral isolation B. Ecological isolation				
	C. Genetic isolation D. Reproduction isolation				
895)	Species having distribution independent to environmental factors known as .	С			
	A. Biological species B. Endemic species				
	C. Ubiquitous species D. Cosmopoliton species				
896)	is the results of expression of organism genes and influence of environmental factors.	В			
090)	A. Genotype B. Phenotype				
	C. Physiology D. Physiognomy				

	A. Phenetic species B. Darwinian species	
	C. Genetic species D. Micro species	
898)	An ecosystem lie between the and for energy.	D
0,0,	A. Source and energy B. Biotic and Abiotic	
	C. Species and community D. Source and sink	
899)	energy devoted to growth – respired –Reproduction X 100/energy assimilated.	В
0,,,	A. RE B. GE	
	C. AE D. EE	
900)	is the fundamental process common to all ecosystem.	A
700)	A. Energy flow B. Growth efficiency	1 11
	C. Community D. Food chain	
901)	Infiltration rate of loamy soil is .	В
<i>701)</i>	A. 20-30 B. 10-20	1
	C. 20-10 D. 10-0	
902)	Soil said to be at filed capacity after drainage of .	A
902)	A. Two days B. Five days	- A
	C. Three days D. One day	
903)	In which state of water molecules move freely and have high kinetic energy .	С
903)	A. Solid B. Liquid	1
	C. Gaseous D. Solution	
904)	Amount of energy needed to break the hydrogen bod of water known as .	С
904)	A. Evaporation B. Heat of collision	
	C. Latent heat of vaporization D. Heat energy	
005)	is measured as the weight of water vapor in the air per unit weight of air.	D
905)		В
006)		0
906)	Fog formed when cool dry air settles over a warm, moist surface	C
	A. Advection fog B. Upslope fog C. Steam fog D. Frontal fog	
007)		ъ
907)	Fog composed of super-cooled water drops.	D
	A. Drizzle B. Rain C. Freezing Drizzle D. Freezing fog	
000)	je. prozing zrazio	D
908)	Snow having small air pockets embedded within their structure and have visual remnants of ice crystals.	В
	A. Snow B. Snow pellets	
	C. Snow grains D. Ice pellet	
909)	Rice is an example of .	C
	A. Floating hydrophytes B. Submerged hydrophytes	
	C. Emergent hydrophytes D. Mesophytes	
910)	Gas filled spaces formed in tissues of plants growing waterlogged condition called	Α
	as .	
	A. Aerenchyma B. Lacunae	
	C. Pneumatophores D. Sclerenchyma	
911)	Which plant show high root to shoot ratio to absorb maximum water .	С
	A. Calotropis B. Cactus	
	C. Mesquit D. Mango	
912)	Plants having hard leaves to reduce water loss from surface known as .	В
	A. Phreatophytes B. Ephemerals	_
	C. Mesophytes D. Hydrophytes	
913)	Which group of plants showed maximum water use efficiency?	A
	A. CAM B. C3	
	C. C4 D. Hydrophytes	
914)	Which group of plants shows kranz anatomy?	C
	A. CAM B. C3	
1	C. C4 D. Hydrophytes	

915)	Range of visible light is .		В			
/	A. 280-400nm B.	400-700nm				
	C. 700-850nm D.	280-310nm				
916)	The time at which day length is equal to twelve hours	across the world known as.	В			
,	A. Solstice B.	Equinox				
	C. Angle of incidence D.	Insolation				
917)	Light absorbed by phytochromes known as.		В			
,	A. Visible light B.	IR light				
	C. UV light D.	Radio-active light				
918)	Visible light reached the forest floor.		A			
ŕ	A. 1-5% B.	0.25-2%				
	C. 3-4% D.	2%				
919)	Which one is most reflected wavelength of light?		D			
	A. Blue B.	Green				
	C. Far red D.	Green and Far IR				
920)	Epiphytes is an example of .		A			
-/	A. Heliophytes B.	Schiophytes	-			
	C. Facultative sciophytes D.	Facultative heliophytes				
921)	Group of plants having fewer stomata and less support		В			
/	A. Heliophytes B.	Schiophytes	2			
	C. Facultative sciophytes D.	Facultative heliophytes				
922)	Change in species over a period of time.	Take strain (* 110110) Fily tes	A			
,,,,	A. Succession B.	Disturbance	7.1			
	C. Dynamics D.	Hurricanes				
923)	Which type of succession is consequence of primary succession?					
723)	A. Allogenic succession B. Autogenic succession					
	C. Degradation succession D.	Succession				
924)	Succession in which community become simple and con		В			
J2 4)	A. Progressive succession B.	Retrogressive succession	ъ			
	C. Autogenic succession D.	Degradation succession				
925)	A protected area which cover vast range of natural habit		C			
923)	A. Wildlife sanctuaries B.	National parks	C			
	C. Biosphere reserves D.	Islands				
926)	Water is liquid at room temperature due to	Islands				
920)	A. Ionic bonding B.	Covalent bonding	С			
	C. Hydrogen boding D.	Mutual sharing	C			
927)	Water molecule shows V-shape structure with an angl					
921)	A. 103° B.	105 °	В			
	C. 107 ° D.	109 °	Ь			
020)		109	Α.			
928)	Cohesive forces are present between A. Similar molecules B.	Different molecules	A			
	A. Similar molecules B. C. Liquid and container D.	Liquid and atmosphere				
020)	The amount of energy required to convert 1 g of water f					
929)			D			
	A. Heat of vaporizationB.C. Specific heatD.	Heat of fusion	В			
020)		Viscosity				
930)	The amount of energy required to convert 1g of liquid	•				
	A. Heat of vaporization B.	Heat of fusion	A			
0.5.	C. Specific heat D.	Viscosity	~			
931)	The density of water is maximum at	le ag	C			
	A. 0 °C B.	2 °C				
	C. 4 °C D.	6 ℃				
932)	Hindrance to flow of liquid		Α			
	A. Viscosity B.	Vaporization				

Adhesion is the force of attraction between A. Similar surfaces D. Gases	B D A B B B B B
C. Dissimilar surfaces D. Gases	A B A B
934) If the pH of medium is greater than 7 then it will be A. Acidic B. Neutral D. Alkaline 935) If the pH of medium is less than 7 then it will be A. Acidic C. Saline D. Alkaline 936) If the pH of medium is equal to 7 then it will be A. Acidic B. Neutral 936) If the pH of medium is equal to 7 then it will be A. Acidic B. Neutral C. Saline D. Alkaline 937) In gymnosperm's xylem	A B A B
A. Acidic D. Alkaline	A B A B
A. Acidic D. Alkaline	A B A B
C. Saline D. Alkaline	B A B
935	B A B
A. Acidic B. Neutral	B A B
C. Saline D. Alkaline	B A B
936) If the pH of medium is equal to 7 then it will be A. Acidic C. Saline D. Alkaline 937) In gymnosperm's xylem are present A. Tacheids C. hairs D. Trichomes 938) In angiosperm's xylem	A B
A. Acidic B. Neutral C. Saline D. Alkaline 937) In gymnosperm's xylem	A B
C. Saline D. Alkaline	В
937) In gymnosperm's xylem	В
A. Tacheids B. Vessels C. hairs D. Trichomes	В
C. hairs D. Trichomes	
938)	
A. Tacheids C. hairs D. Trichomes 939) Dye method or falling drop method was proposed by A. Dixon C. Taize D. Hopkins 940) A single cell turgor pressure can be determined by A. Pressure probe C. Osmometer D. Psychrometer 941) Maximum value of pure free water is equal to A. I MPa C. 2 MPa 942) A plant hormone is alwaysin nature A. Inorganic B. Organic	
C. hairs D. Trichomes Dye method or falling drop method was proposed by A. Dixon C. Taize D. Hopkins 940) A single cell turgor pressure can be determined by A. Pressure probe C. Osmometer D. Psychrometer 941) Maximum value of pure free water is equal to A. I MPa C. 2 MPa 942) A plant hormone is alwaysin nature A. Inorganic B. Organic	
939) Dye method or falling drop method was proposed by A. Dixon C. Taize D. Hopkins 940) A single cell turgor pressure can be determined by A. Pressure probe C. Osmometer D. Psychrometer 941) Maximum value of pure free water is equal to A. I MPa C. 2 MPa A plant hormone is alwaysin nature A. Inorganic B. Organic	В
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C. Taize D. Hopkins A single cell turgor pressure can be determined by A. Pressure probe C. Osmometer D. Pressure chamber C. Osmometer D. Psychrometer 941) Maximum value of pure free water is equal to A. I MPa C. 2 MPa B. 1.5 MPa C. 2 MPa D. 0 MPa 942) A plant hormone is alwaysin nature A. Inorganic B. Organic	
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940) A single cell turgor pressure can be determined by A. Pressure probe C. Osmometer 941) Maximum value of pure free water is equal to A. 1 MPa C. 2 MPa 942) A plant hormone is alwaysin nature A. Inorganic B. Pressure chamber D. Psychrometer B. 1.5 MPa D. 0 MPa 942) Organic	
A. Pressure probe C. Osmometer D. Psychrometer 941) Maximum value of pure free water is equal to A. 1 MPa C. 2 MPa D. 0 MPa 942) A plant hormone is alwaysin nature A. Inorganic B. Organic	Α
C. Osmometer D. Psychrometer	A
C. Osmometer 941) Maximum value of pure free water is equal to A. 1 MPa C. 2 MPa D. 0 MPa 942) A plant hormone is alwaysin nature A. Inorganic B. Organic	
941) Maximum value of pure free water is equal to A. 1 MPa C. 2 MPa D. 0 MPa 942) A plant hormone is alwaysin nature A. Inorganic B. Organic	
A. 1 MPa B. 1.5 MPa C. 2 MPa D. 0 MPa 942) A plant hormone is alwaysin nature A. Inorganic B. Organic	D
C. 2 MPa D. 0 MPa 942) A plant hormone is alwaysin nature A. Inorganic B. Organic Organic C. 2 MPa D. 0 MPa D.	
C. 2 MPa D. 0 MPa 942) A plant hormone is alwaysin nature A. Inorganic B. Organic Organic C. 2 MPa D. 0 MPa D.	
942) A plant hormone is alwaysin nature A. Inorganic B. Organic	
A. Inorganic B. Organic	В
C. Mineral D. Ion	
943) Hormones are effective in	
A. High concentration B. low concentration C. very low concentration D. medium concentration	C
944) Calcium and potassium are required for growth but they are not hormone because they are A. Inorganic B. Organic	
A. Inorganic B. Organic C. Macronutrients D. Essential nutrients	A
945) The power fo movement book is written by A Mandal B Hanking	
A. Mendel B. Hopkins	C
C. Darwin D. Dixon	
946) The first hormone was isolated by	l
A. Darwin B. Monceau	
C. Ross D. Fritz Went	D
947) The gaseous hormone which is present in plants is known as	D
A. Auxin B. Cytokinins	
C. Tocopherols D. Ethylene	D D
948) Receptors of water soluble hormones are present in/on	
A. cytoplasm B. Cell membrane	D
C. Vacuole D. Mitochondria	
949) Receptors of lipid soluble hormones are present in/on	D B
A. Cytoplasm B. Cell membrane	D

	C. Vacuole D. Mitochondria	
950)	The response of plant to relative length of day and night is known as	
•	A. Cellular respone B. Photoperiodism	В
	C. Geotropism D. Plant movement	
951)	The plants which flower when day length is greater than critical day length are known as	
	A. Short day plants B. Long day plants	В
	C. Day neutral plants D. Intermediate day length plants	
952)	The plants which flower when day length is less than critical day length are known as	
	A. Short day plants B. Long day plants	A
	C. Day neutral plants D. Intermediate day length plants	
953)	The day length which is essentially required for flowering is called	
	A. Short days B. Long days	D
	C. Photoperiodism D. Critical day length	
954)	Low temperature treatment to induce flowering in plants is called	
	A. Photoperiodism B. Vernalization	В
	C. Photosynthesis D. Water uptake	
955)	The most effective temperature range for vernalization is	
	A. 1-5 °C B. 1-3 °C	C
	C. 1-7 °C D. 4-11°C	
956)	The gene which is involved in vernalization process is	
	A. FLC B. FLD	A
	C. FLO D. FLE	
957)	The active form of phytochrome is	В
,	A. Pr form B. Pfr form	
	C. Type A form D. Type C form	
958)	Relative effectiveness of different wavelengths of light on photomorphogenesis	
,	A. Absorption spectrum B. Photosynthesis	D
	C. Respiration D. Action spectrum	
959)	Plants in which flowering neither occur in short days nor long days	
,	A. Short day plants B. Long day plants	D
	C. Day neutral plants D. Intermediate day length plants	
960)	Phytochrome synthesized in the form of	
,	A. Pr form B. Pfr form	A
	C. Type A form D. Type C form	
961)	Stable form of phytochrome is	
,	A. Pr form B. Pfr form	A
	C. Type A form D. Type C form	
962)	Pr form of phytochrome is	В
,	A. Red in color B. Green in color	
	C. Yellow in color D. Blue in color	
963)	Pfr form of phytochrome is	A
,	A. Olive green in color B. Green in color	
	C. Yellow in color D. Blue in color	
964)	Biological activities that cycle in approximately twenty-four-hour intervals are called	В
•	A. Stomatal regulation B. Circadian rhythm	
	C. Photosythesis D. Respiration	
965)	The number fo floral organ identity genes in arabidopsis is	В
,	A. 3 B. 5	
	C. 7 D. 9	
966)	Ripened ovule is called	С
• /	A. Vegetable B. Fruit	
	C. Seed D. Ovary	
	Those plants which do not respond to photoperiods	С

	A. Short day plants	В.	Long day plants		
	C. Day neutral plants	D.	Intermediate day length plants		
968)	Ripened ovary is called		intermediate out rengal plants	В	
700)	A. stem	В.	fruit		
	C. seed	D.	ovary		
969)	In monocot main storage organ in seed is		ovary	В	
707)	A. Cotyledon	В.	Endosperm		
	C. Ovule	D.	Vacuole		
970)	In dicot main storage organ in seed is	P.	v dedole	A	
710)	A. Cotyledon	В.	Endosperm	A	
	C. Ovule	D.	Vacuole		
971)	In hypogeal germination	р.	Vacuote	A	
9/1)	A. Cotyledon remain under ground	В.	Cotyledon grow up in air	^A	
	C. Cotyledon did not grow	D.	non of them		
972)	Plants in which flowering is inhibited by inter			Α	
912)		B.	Long day plants	A	
	A. Amphiphotoperiodic plants C. Day neutral plants	D.	Intermediate day length plants		
072\	Auxin stimulates	υ.	intermediate day length plants	D	
973)		Ь	Call anlargment	D	
	A. Cell division	В.	Cell enlargment		
07.1	C. Apical dominance	D.	All of these	~	
974)	Auxin is synthesized directly from the amino		Ig . :	C	
	A. Proline	В.	Cystein		
	C. Tryptophan	D.	Glycine		
975)	Rate of polar transport of auxin		In an	В	
	A. 5-15 cm/h	B.	2-20 cm/h		
	C. 1-10 cm/h	D.	10-20 cm/h	В	
976)	Number of PIN formed proteins in Arabidopsis is				
	A. 4	B.	8		
	C. 12	D.	16		
977)	Germination of plants is of		I	В	
	A. Two types	B.	Three types		
	C. Four types	D.	Five types		
978)	Coleorhiza sheath enclosed the			A	
	A. Radicle	B.	Plumule		
	C. Both a & b	D.	Non of them		
979)	Peripheral layer enclosing the endosperm is ca			D	
	A. Seed coat	B.	Testa		
	C. Cotyledon	D.	Aleurone layer		
980)	Phytochromobilins are synthesized in			C	
	A. Vacuole	B.	Mitochondria		
	C. Plastids	D.	Nucleus		
981)	In plants phytochromes are of	•		В	
ŕ	A. 3 types	В.	5 types		
	C. 7 types	D.	8 types		
982)	Phytochromes are			D	
,	A. Plant hormones	B.	Pheromones		
	C. Vitamins	D.	Plant pigments		
983)	Short-long-day plants requires	<u> </u>	^ ~	В	
/	A. Long days followed by short days	B.	Short days followed by long days	_	
	C. Short days	D.	Day-neutral plants		
	1 -		1 -		
984)	By the addition of solutes water potential			l D	
984)	By the addition of solutes water potential A. Becomes neutral	В.	Increased	D	

985)	Water is universal solvent. This property of water is mainly due to				
903)	A. Adhesive forces	B.	Cohesive forces	C	
Ì	C. Hydrogen bonding	D.	Covalent bonding		
986)	In a normal plant water rate ranges from		covarent conding	С	
700)	A. 20-40%				
Ì	C. 70-90%	В. D.	60-80% All above		
987)	Major constituent of protoplast is	A			
901)	A. Water				
Ì	C. Carbon	В. D.	Cellulose Oxygen		
988)	Salicylic acid was discoved from	С			
700)	A. Ficus				
	C. Willow	B. Eucalyptus D. Carrot			
989)	Salicylic acid transmission is through	С			
909)	A. Vascular tissue				
Ì	C. Air	В. D.	Roots		
000)	Salicylic acid is calorigenic substance whic	n			
990)		В			
Ì	A. ATP C. NADH	В. D.	Heat Cell division		
001)	Jasmonates are released as				
991)		C			
Ì	A. Organic	В.	Covalent		
000	C. Volatile	D.	Liquid		
992)	Systemin is a polypeptide composed of	В			
Ì	A. 16 amino acids	В. D.	18 amino acids 22 amino acids		
	C. 20 amino acids				
993)	Tocopherols are also known as	D			
Ì	A. Vitamin A	В. D.	Vitamin C Vitamin E		
	C. Vitamin D				
994)	Tocopherols have froms		T-	В	
	A. 2	В. D.	7		
	C. 5				
995)	Wilting toxin hormone is	C			
	A. Auxin	В.	Gibberellin Systemin		
	C. Fusicoccin	D.			
996)	Triacontanol is hormone composed of				
	A. 20	В.	25	C	
	C. 30 D. 35				
997)	Batasins were isolated from	C			
	A. Carrot	В.	Cabbage		
	C. Yam plants D. Willow tree				
998)	The first steroidal hormone discovered in p	С			
	A. Abscisic acid	B. D.	Ethylene Turgorins		
	C. Brassinosteroid				
999)	Visually brassinosteroid hormones have re	A			
	A. Crotisol				
	C. Abscisic acid	В. D.	Turgorins		
1000)					
	A. Cytosol B. Cell membrane				
	C. Cell wall		Nuclear membrane		