132 PU Ph.D Taxonomy

176	100 PU_2016_132_E agmoplast is:-
0	Plastid capable of fragmentation
0	Plastid capable of duplication
0	Cell plate formed of ER and dictyosomes (Secretory vesicles) during cytokinensis
0	Cell plate formed by ER, dictyosome (secretory vesicles) and portion of spindle fibre
191 Ped	T100 PU_2016_132_E icellariae are modified:-
0	Some other structures
	Tube feet
0	Integumentary structures
0	Spines
195 Mus	T100 PU_2016_132_E cle fatigue sets in due to non availability of:-
0	actin binding site
0	ATP
0	Calcium
0	Mg cofactor
106 IA n Phyl	PU_2016_132_E ew taxonomic code, PhyloCode, has been proposed as an alternate to Linnean taxonomy. oCode is based on:-
	Acquired characters
0	Numerical taxonomy
0	Cladistic principles
0	Evolutonary systematic
173 The	T100 PU_2016_132_E Red Data Book which lists endangered species is maintained by:- WHO
0	IUCN
0	UNO

0	WWF
174 Mos	F 100 PU_2016_132_E st dangerous threat to wildlife is by:-
0	Overgrazing
0	Hunting
0	Habitat destruction
0	Introduction of exotic species
193 Whi	f 100 PU_2016_132_E ch of the following compound is efflorescent?
0	Baking soda
0	Soda-Lime
0	Soda ash
0	Washing soda
112 The	F 100 PU_2016_132_E current status of taxonomy is in transition. It is changing from a focus on toward a focus Phylogenetic taxa, numerical taxa
0	Evolutionary taxa, cladistics taxa
0	Numerical taxa, evolutionary taxa
0	Cladistics taxa, phylogenetic taxa
100 Whi	f 100 PU_2016_132_E ch of the following species is restricted to a given area?
0	Sibling species
0	Sympatric species
0	Endemic species
0	Allopatric species
103 A ta phy	of 100 PU_2016_132_E exonomic system based only on the traits that reflect the order in time in which branches arose in a logenetic tree is called:-
0	Phenetics
0	Cladistics

0	Phylogeny
0	Classical evolutionary taxonomy
184 Des	of 100 PU_2016_132_E criptive systematic botany was called by Turrill as:-
0	Beta taxonomy
0	Biosystematics
0	Omega taxonomy
0	Alpha taxonomy
159 Ligh	of 100 PU_2016_132_E ht-sensitive sense organs in the flatworms are called:- Rheoreceptors.
0	Auricles.
0	Statocysts
0	Ocelli.
147	of 100 PU_2016_132_E two individuals who established the mathematical formula for calculating allelic frequency were:- Watson and Crick Laurel and Hardy
Ö	Hardy and Weinberg
	Darwin and Wallace
125 Two	of 100 PU_2016_132_E o or more species occupying identical or overlapping areas are known as:-
0	Subspecies
0	Sibling species
0	Sympatric
	Allopatric
175	PU_2016_132_E central legislative measures called 'Wildlife (Protection) Act' was passed in:- 1980 1951

	0
	1977
(^C 1972
1	16 of 100 172 PU_2016_132_E Six-Kingdom classification is based on the sequence of:- Transfer RNA genes Messenger RNA genes Nitrogenous bases in DNA Ribosomal RNA genes
1	17 of 100 131 PU_2016_132_E Natural classification is based on:-
(Morphology
(Ontogeny'
	Both morphology and phylogeny
(Phylogeny
1 T	18 of 100 186 PU_2016_132_E The type of cleavage in frog's egg is:-
(Meroblastic Lielablastic arrival
(Holoblastic equal Discoidal
(Holoblastic unequal
1	19 of 100 167 PU_2016_132_E Binomial nomenclature was introduced by:-
(Darwin
	John ray
(Carlous Linnaeus
(De candolle
1 l: b	20 of 100 111 PU_2016_132_E f a hypothesis is very powerful in explaining many related phenomena and is widely supported, in pecomes known as a:- Conclusion
	Outolation

0	Theory
0	Suitable answer
0	Deduction
124 Sta	of 100 PU_2016_132_E rfishes are:-
0	Omnivorous
0	Herbivorous
0	Filter feeders
0	Carnivorous
141 The	of 100 PU_2016_132_E e first person to propose the concept of species was:-
0	Linnaeus
0	Charles Darwin
0	Tournefort
0	John Ray
156	of 100 5 PU_2016_132_E e crustaceans are the only arthropods with:-
0	Biramous appendages
0	Two pairs of antennae.
0	Head, thorax, and abdomen.
0	Mandibles.
24 of 100 196 PU_2016_132_E Correct sequence of stages in cell cycle is:-	
0	G1, S, G2, M
0	G2, G1, M, S
0	M, S, G1, G2
	G1, G2, S, M
163	of 100 PU_2016_132_E can sleeping sickness and Chagas's disease are both caused by protozoa in the genus Plasmodium.

0	Noctiluca.
	Toxoplasma.
0	Trypanosoma
154	of 100 PU_2016_132_E ch of the following traits are unique to spiders? Silk glands Book lungs. Simple eyes. Malpighian tubules.
157	of 100 PU_2016_132_E ch of the following classes contains the crabs, shrimp, and krill? Malacostraca.
0	Chilopoda.
0	Branchiopoda.
0	Maxillopoda.
105 A ta	PU_2016_132_E exanomic system that uses phenotypic similarities as well as judgment of homologies along anothing sequence is called:- Cladistics Classical evolutionary taxanomy Phenetics Phylogeny
101	PU_2016_132_E term 'Systematics' was coined by:- Carlous Linnaeus Ernst Haecker De Candolle Copeland
102	of 100 PU_2016_132_E ch of the following terms best describes a cladogram?

0 0 0 0	Polyphyly Phylogenetic tree Nested hierarchy Branching tree
136	PU_2016_132_E proposed phylogenetic classification of plants? Hutchinson De candolle Bentham and Hooker Linnaeus
140	PU_2016_132_E ring bird lands by:- Folding the wings above and back of the body and coming down Folding the wings back and dropping on the grounds or other substratum Pronation and forward movements of wings Lowering and fanning out the rectrices
115	PU_2016_132_E serum diagnosis method in plant taxonomy was pioneered by:- Hegenaeuer K.C.Mez Heywood Alston and Turner
132 Natu O O	PU_2016_132_E ural system of classification differs from artificial system is:- Employing only one floral trait Taking only one vegetative trait Developing evolutionary trends Bringing out similarities and dissimilarities
	of 100

128 PU_2016_132_E Static concept of species was put forward by:-

0	Linnaeus
0	Darwin
0	De candolle
	Theophrastus
138	of 100 PU_2016_132_E complicated process of growth and change converts the spermatid into a:- Secondary spermatocyte Function sperm Primary spermatocyte Spermatogonia
177 Spe	of 100 'PU_2016_132_E ecies which are able to exchange genes freely without loss of fertility or vigour is known as:-
0	Superspecies
0	Ecospecies
0	Semispecies
0	Coenospecies
183	of 100 PU_2016_132_E Dication of names is avoided by the application of:-
0	Homonyms
0	The principal of priority
0	Type concept
	Synonyms
146	of 100 PU_2016_132_E e term "Taxanomy" was first proposed by the French Botanist:-
	Linnaeus
	Lamarck
	Nageli
	De candolle
	of 100 PU_2016_132_E

Cladistic analysis indicates that the class is paraphyletic and will therefore probably divided into many more taxa.	
0	Trematoda.
	Cestoda.
\circ	Turbellaria
0	Monogenea.
130 Linr	of 100 PU_2016_132_E naeus system of classification was based on:-
0	Cytology
0	Embryology
0	Morphology
0	Ecology
143 Tax	of 100 PU_2016_132_E conomy based on identification of evolutionary units within species by determining their genetical relationship is called:-
0	Numerical taxonomy
0	Biochemical taxonomy
0	Experimental taxonomy
0	Chemotaxonomy
135	of 100 PU_2016_132_E o is the author of 'Species Plantarum'?
0	Carlous Linnaeus
0	John Ray
0	Charles Darwin
0	Julian Huxley
161	of 100 PU_2016_132_E onge bodies do not have organs, instead they have masses of cells supported by:-
0	Oscula or spicules.
0	Ostia or oscula.
0	Spicules or sponging.
0	Spongin or ostia

120	of 100 PU_2016_132_E ich one of the following sets of ions are necessary in the chemical events for muscle contraction?
0	Na ⁺ and Mg ⁺⁺ ions
\circ	Na ⁺ and K ⁺
\circ	Ca ⁺ and Mg ⁺⁺ ions
\circ	Na ⁺ and Ca ⁺⁺ ions
113	of 100 B PU_2016_132_E e most widely accepted parts of Darwin's theory include:- Perpetual change inheritance of acquired characteristics Natural selection Gradualism
148	of 100 B PU_2016_132_E e structure that is used for feeding in most molluscs is the:-
0	Mouth
0	buccal cavity
0	Odontophore
0	Radula
199	of 100 PU_2016_132_E caris lumbricoides lives in the intestine of:- Homo sapiens
0	Monkey
0	Pig
0	Sheep and goat
109 A s des	of 100 PU_2016_132_E pecimen or element selected by a competent worker as a substitute for an undesignated, missing or stroyed holotype is called:-
0	Paratype
0	Neotype
0	Cotype
0	Leucotype

144 The	of 100 PU_2016_132_E first invertebrates to develop a true nervous system are:-
0	Flat worms
0	Sponges
0	Coelenterates
0	Annelids
104 Phy	of 100 PU_2016_132_E logeny describes a species:-
0	Geographic distribution
0	Morphological similarities with other species
0	Evolutionary history
0	Reproductive compatibilities with other species
134	of 100 PU_2016_132_E logenetic system brings about:-
0	Grouping according to evolutionary trends
0	Reproductive similarities
0	Grouping according to morphological characters
0	Grouping on the basis of increasing complexities
168	PU_2016_132_E ch of the taxa is not recognized by a botanist? Family Subspecies
0	Species
U	Order
200 The	of 100 PU_2016_132_E life span of <i>Ascaris</i> is:-
0	About an year
0	More than 30 days
0	six months
0	8 to 10 months

150	of 100) PU_2016_132_E ich of the following structures do bivalves use in the process of digestion?
0	Peristaltic muscles
0	A jaw
0	A crystalline style
0	Byssal threads
151 The	of 100 I PU_2016_132_E e have been extinct for 250 million years but they show the basic pattern that started the propods. Pycnogonids.
0	Xiphosurids
0	Crustaceans.
	Trilobites.
119 In t	of 100 PU_2016_132_E he Linnaean system of naming, a single species is identified by a binomial, which consists of the owing two parts:-
0	Phylum and class
0	Family and genus
0	Genus and species epithet
0	Class and order
158 Cel	of 100 3 PU_2016_132_E Ils that secrete mucus in the epidermis of the Turbellaria are called:-
0	Teguments.
0	Cuticle cells.
0	Parenchyma.
0	Rhabdites.
188	of 100 3 PU_2016_132_E e of the following ratio is constant in DNA's of different species:-
0	A+U/C+G
0	A+C/T+G
	A+T/C+G

0	A+G/T+C
123 Egg	of 100 PU_2016_132_E of eutherian mammals is:-
0	Centrolecithal
0	Macrolecithal
0	Microlecithal
0	Telolecithal
246 Free	of 100 PU_2016_132_M e living platyhelminthes forms belong to the class:-
0	Cestoda
0	Trematoda
0	Nematoda
0	Turbellaria
230	of 100 PU_2016_132_M mode of feeding in Leech is:-
0	Omnivorous
0	Sanguinivous
0	Herbivorous
0	Carnivorous
236 Six :	of 100 PU_2016_132_M septa or six mesenteries are characteristic of:-
0	Hydra
0	Obelia
0	Sea anemone
0	Aurelia
64 of 100 235 PU_2016_132_M Ephyra is the larval form of:-	
0	Obelia
0	Sea anemone
O	Hydra

0	Aurellia
256 Hea	of 100 PU_2016_132_M d. Foot and visceral mass-this combination of characters is diagnostic of:-
0	Echinoderms
0	Arthropods
0	Molluscs
0	Annelida
244 Plat	of 100 PU_2016_132_M yhelminthes are best described as:-
0	Flatworms, diploblastic, acoelomates
0	Flatworms, triploblastic, acoelomate animals
0	Flatworms, triploblastic, coelomates
0	Flatworms, triploblastic, pseudocoelomates animals
248	PU_2016_132_M ciola hepatica is an endoparasite that lives in the:- Spleen of sheep
0	Liver of sheep
0	Intestine of sheep
0	Blood of sheep
225 Tota	PU_2016_132_M al marine annelids belong to the class:-
0	Chaetopoda
0	Oligochaeta
0	Hirudinea
	Polycheta
255 Whi	of 100 PU_2016_132_M ch of the following includes coelomate unsegmented organisms?
0	Arthropoda
	Chordata
0	Annelida

0	Mollusca
227 Pro	of 100 PU_2016_132_M nounced cephalisation is a characteristic:-
0	Arthropoda
0	Annelida
0	Mollusca
0	Echinoderms
239 The	of 100 PU_2016_132_M first invertebrates to develop a true nervous system are:-
0	Annelids
0	Coelenterates
0	Sponges
0	Flat worms
222	of 100 PU_2016_132_M ommon feature between cockroach and earthworm is:-
0	Ventral nerve cord
0	Cocoon formation
0	Ommatidia
0	Nephridia
257	of 100 PU_2016_132_M rnal shell is present in:-
0	Pila
0	Sepia
0	Lamellidens
0	Chiron
252 Sala	of 100 PU_2016_132_M amander belongs to the class:-
0	Aves
0	Reptiles
0	Amphibian

0	Pisces
241	of 100 PU_2016_132_M azoa includes:-
0	Acidaria
0	Porifera
0	Cnidaria
0	Echinodermata
242 Mos	of 100 PU_2016_132_M It common method of reproduction in sponges is:-
0	Budding
0	Binary fission
0	Multiple fission
0	Sexual reproduction
233	of 100 PU_2016_132_M comphil cells in earthworm are concerned with the secretion of:-
0	Amylase
0	Coccon
0	Protease
0	Lipases
224	of 100 PU_2016_132_M ch belongs to the class:-
0	Oligochaeta
0	Chaetopoda
0	Hirudinea
0	Polycheta
249 Whi	of 100 PU_2016_132_M ch of the following habitats show the highest diversity of living species?
0	Tropical rainforest
0	Grassland
0	Temperate forest

0	Desert
253 Vert	of 100 PU_2016_132_M tebrates and tunicates share:-
0	The formation of structures from the neural crest
0	A high degree of cephalisation
0	A notochord and a dorsal, hollow nerve cord
0	Jaws adapted for feeding
295 Both	of 100 PU_2016_132_D n B and T cells of immune system are produced in:-
0	Spleen
0	Bone marrow
0	Thymus
0	Lymphoid nodes
264 Whi	of 100 PU_2016_132_D ch of the following cellular oraganelles breaks down complex macromolecules, such as vsaccharides and proteins?
0	Rough endoplasmic reticulum
0	Golgi complex
0	Mitochondria
0	Lysosome
285	of 100 PU_2016_132_D glands as a means of escape from predators are present in:-
0	Unio (Pelecypoda)
0	Dentalium (Scaphopoda)
0	Sepia (Cephalopoda)
0	Pila (Gastropoda)
287	of 100 PU_2016_132_D largest <i>Invertebrate</i> is:-
0	Octopus
0	Architeuthis

0	Sepia Loligo
268	of 100 PU_2016_132_D ne of the enzymes which are associated in converting fats into carbohydrates are present in:-
0	Glyoxysomes
0	Golgi bodies
0	Liposomes
0	Microsomes
274	PU_2016_132_D ch of the following systems is found in echinoderms? Excretory system Respiratory system Nervous system
\circ	System of internal skeleton
262	of 100 PU_2016_132_D membrane in animals is composed mainly of the molecules of:- Lipids Proteins Carbohydrates Lipids and proteins
280 Flyi	of 100 PU_2016_132_D ng frog is:-
0	Pipa
0	Hyla
0	Rhacophorus
0	Bufo
286	of 100 PU_2016_132_D arl mother layer' is:-
0	Periostracum
0	Prismatic layer

0	Mantle	
	Nacre	
266 The	of 100 PU_2016_132_D two types of cellular organelles that transform energy are:-	
0	Mitochondria and chromoplasts	
0	Chiroplasts and leucoplasts	
0	Chloroplasts and leucoplasts	
0	Mitochodria and chloroplasts	
283	PU_2016_132_D disease caused by the hook worm is called:-	
_	Ascariasis	
0	Elephantiasis	
0	Ancylostomiasis	
0	Enterobiasis	
261	of 100 PU_2016_132_D ia is commonly known as:-	
0	Cuttle fish	
0	Star fish	
0	Silver fish	
0	Jelly fish	
267	of 100 PU_2016_132_D ch of the following is a type of intracellular junction between animal cells?	
0	Middle lamella	
	Glycocalyx	
0	Plasmodesmata	
0	Desmosome	
94 of 100 291 PU_2016_132_D Which of the following is called 'Blood fluke' of man?		
0	Schistoma	
0	Fasciola	

0	Paragonium
0	Taenia
278	PU_2016_132_D only fresh water species of sponges is:-
0	Scypha
0	Euspongia
0	Oscarella
0	Spongilla
281	of 100 PU_2016_132_D aking of frog is:-
_	Hunger cell
0	Danger cell
0	Sex call for female
0	Blood cell
289	of 100 PU_2016_132_D nmals and living birds share all of the following characteristics except:-
0	Endothermy
0	Descent from a common amniotic ancestor
0	An archosaur common ancestor
0	A dorsal, hollow nerve cord
265 Prot	of 100 PU_2016_132_D eins that are to be used outside the cell are synthesized:-
0	On the smooth endoplasmic reticulum
0	On free ribosomes
0	In the mitochondria
0	On the rough endoplasmic reticulum
99 of 100 293 PU_2016_132_D Multiple fission occurs in:-	
0	Planaria
0	Plasmodium

0	Hydra E. coli
2 V	00 of 100 270 PU_2016_132_D Which of the following statements proves that mitochondria and chloroplasts are semi-autonomous podies:-
(They are essential for respiration and photosynthesis
(They contain DNA and ribosomes
(They contain DNA
(They contain RNA

Sr No.	PhD Taxonomy
	Which term will replace the question mark in the series: ABD,DGK,HMS,MTB,SBL, ?
Alt1	
Alt2	ZKW
Alt3	ZAB
Alt4	XKW
2	Choose word from the given options which bears the same relationship to the third word, as the first two bears: Illiteracy: Education:: Flood:?
Alt1	Rain
Alt2	Bridge
Alt3	Dam
Alt4	River
3	Select the lettered pair that has the same relationship as the original pair of words: Sip: Gulp
Alt1	Touch: Push
Alt2	Cup: Class
Alt3	Tent: Hut
Alt4	Soup: Water
4	Select the lettered pair that has the same relationship as the original pair of words:
	Low : Cattle
	Sheep: Beef
	Gaggle: Chicken
	Grunt: Hogs
Alt4	Flock: Goat
	Find out the state when the the come veletionship as the numbers of the cities weigh
5	Find out the number that has the same relationship as the numbers of the given pair: 8:81::64:?
Alt1	
	137
Alt3	
	625
7 110 1	
6	Spot the defective segment from the following:
	It's time
Alt2	the students dispersed
Alt3	to go to home
Alt4	after study hours
7	There is no in our car and it is already crowded.
Alt1	room
Alt2	place
Alt3	seat

ΛI+Λ	space
AIL4	
0	Newton loved his pet dog very much.
	a scientist
	the scientist
	scientist
Alt4	one scientist
9	Choose the option closest in meaning to the given word:
	JINGOISM
	deism
	chauvinism
	extremism
Alt4	pacifism
10	Choose the antonymous option you consider the best:
	QUACK
Alt1	bizarre
Alt2	procurer
Alt3	charlatan
Alt4	authority
11	In a village there are 1000 persons. Out of which 800 are literates. Out of 1000,700 are criminals. There are 550
	literate criminals in that village. How many Illiterate non criminals are there?
Alt1	
Alt2	250
Alt3	50
Alt4	200
12	Average weight of A,B,C is 45;
	Average weight of A&B is 40;
	Average weight of B&c is 43, Weight of B is
Alt1	
Alt2	
Alt3	
Alt4	
7 11 12 1	
12	Which of the following cannot be the Median of the three positive Integers X,Y & Z?
Alt1	
Alt2	
Alt3	
	(X+Z)/3
AIL4	\/\'_ 3
1 /	How many Zero's are there in the product 1*2*3**10
Alt1	
Alt1	
Alt3	כו

Alt4	6
15	A,B,C,D work on a project. Together A,B &C can complete in 100 days; Together B,C &D can complete in 101
	days; Together C,D & A can complete in 102 days; together D,A & B can complete in 103 days . Rank them from
	the best to the worst performer.
Alt1	C>B>A>D
Alt2	C>A>B>D
Alt3	D>B>A>C
Alt4	D>A>B>C
•	
16	22 Students are evenly spaced on the circumference of a big circle. They are numbered 1to 22. which number is
	opposite to 17?
Alt1	8
Alt2	5
Alt3	7
Alt4	6
17	The fare of a luxury cab is Rs. X for the first five Kilometres and Rs,13/- per Kilometre thereafter. If a
	passenger pays Rs.2402/- for a journey of 187 kilometres, what is the value of X?
Alt1	Rs.29
Alt2	Rs.39
Alt3	Rs.36
Alt4	Rs.31
18	An HR Company employs 4800 people out of which 45 per cent are males and 60 per cent of males are either
	25 years or older. How many males are employed in that company who are younger than 25 years?
Alt1	2640
Alt2	2160
Alt3	1296
Alt4	864
19	A person buys a shirt with marked price Rs.400/- at 20% discount. In order to make a profit of 20% the person
	should sell the shirt for
Alt1	Rs.400/-
Alt2	Rs.384/-
Alt3	Rs.320/-
Alt4	Rs.480/-
20	The following information is given:(i) Five friends P, Q, R. S and T travelled to five different cities of Chennai,
	Calcutta, Delhi, Bangalore and Hyderabad by five different modes of transport of Bus, Train,
	Aeroplane, Car and Boat from Mumbai. (ii) The person who travelled to Delhi did not travel by boat.
	(iii) R went to Bangalore by car and Q went to Calcutta by aeroplane.(iv) S travelled by boat whereas T travelled
	by train.
	(v) Mumbai is not connected by bus to Delhi and Chennai. Which of the following combinations of place and
	mode is not correct?

Alt1	Delhi — Bus
Alt2	Calcutta — Aeroplane
Alt3	Bangalore — Car
Alt4	Chennai — Boat
21	Classification given by Bentham and Hooker is:-
Alt1	Numerical
Alt2	Artificial
Alt3	Phylogenetic
Alt4	Natural
22	Which of the following orders contains members who have a cephalothorax and abdomen with no external
	segmentation, and these tagmata are joined by a narrow pedicel?
Alt1	Araneae.
Alt2	Acari
Alt3	Scorpionida.
Alt4	Opiliones.
23	The concept of evolutionary change was first proposed by:-
Alt1	Early Greek philosophers
Alt2	Lamarck
Alt3	Lyell
Alt4	Wallace
24	The degeneracy of genetic code means that:-
	Genetic code varies with different organisms
	The same amino acid can be coded by two or more codes
	All the living organisms on the earth have the same codes
Alt4	The same code may code more than one amino acid
	Nematocysts are the specialized cells found in the members of the phylum:-
	Mollusca
	Annelida
	Cnidaria
Alt4	Porifea
26	When a group has a second infected with the greatist Discussion are second to great the live sellenged we do not
	When a person becomes infected with the protist Plasmodium, sporozoites enter the liver cells and undergo a process known as, producing merozoites which then enter red blood cells.
	process known as, producing merozoites which then enter red blood cens.
Δl+1	Gametogeny.
	Exogeny.
	Schizogony.
	Sporogony
27	Binomial nomenclature means:-
	Every organism is having one scientific name with a combination of genus and species

Alt2 Organism contains generic name

Alt3	Organism contains specific name	
Alt4	None of the above	
28	Division of the body into head, thorax and abdomen is a characteristic of:-	
Alt1	Insecta	
Alt2	Insecta and Myriapoda	
Alt3	Insecta and Crustacea	
Alt4	Insecta and Archnida	
29	Hydra is put under the phylum cnidaria because it has:-	
Alt1	Cnidoblasts	
Alt2	Interstitial cells	
Alt3	Tentacles	
Alt4	Hypostome	
30	For the chemical change A-B, it is found that the rate of reaction doubles when the concentration is increased	
	four times. The order of the reaction is:-	
Alt1	zero	
Alt2	Half	
Alt3	Two	
Alt4	one	
31	31 Most primitive arthropods belong to the class:-	
Alt1	Insecta	
Alt2	Myriapoda	
	Onychophora	
Alt4	Archnida	
32	Gemmules are helpful in:-	
	Sexual reproduction	
Alt2	Secretion of spicules	
	Survival in drought	
Alt4	Digestion	
	Most of the sponges are:-	
	Colonial	
	Fresh water forms	
	Solitary	
Alt4	Cold water inhabitants	
	The first phylogenetic system of plant classification to be ever put fourth was that of:-	
	Eichler	
	Engler and Prantl	
	Hutchinson	
Alt4	Bentham and Hooker'	

35	Measurement of the rate of O2 consumption in unit volume of water over a period of time is done to find out:-
Alt1	Biosynthetic path ways
Alt2	Fermentation
Alt3	Biogas generation
	Biological oxygen demand
36	Animal of phylum Porifera are characterized by:-
	Diploblastic organisation
Alt2	Coelenteron
Alt3	Coelom
Alt4	Canal system
37	Metamerically segmented, bilaterally symmetrical animals bearing jointed appendages. These are characteristic of:-
Alt1	Mollusca
Alt2	Arthropoda
Alt3	Helminthes
Alt4	Annelida
38	Taxonomy without the phylogeny is like bones without flesh is a statement of:-
Alt1	Bentham and Hooker
Alt2	John Hutchinson
Alt3	Takhtajan
Alt4	Oswald Tippo
39	Authors of the book Principles of Numerical Taxonomy are:-
Alt1	Hansen and Rahn
Alt2	Sokal and Sneath
Alt3	Alston and Turner
Alt4	Engler and Prantl
	The largest and the most powerful adductor muscles in flying bird is the:-
	Tensor longus
	Coracobrachialis longus
	Pectoralis minor
Alt4	Pectoralis major
	The infected stage of Ascaris is:-
	Fourth Juvenile
	Adult worm itself
	Second Juvenile
Alt4	Egg
	Related species which are reproductively isolated but morphologically similar are called:-
	Sibling species
Alt2	Allopatric

	Sympatric
Alt4	Morpho species
43	The first laws of botanical nomenclature was framed by:-
Alt1	Augustine P. de Candolle
Alt2	Linnaeus
Alt3	Alphonse de Candolle
Alt4	Casimir de candolle
44	Of all the taxa, the only one that exists in nature as a biologically cohesive unit is the:-
Alt1	Phylum
	Species
	Genus
Alt4	Kingdom
45	The characteristics of four pairs of walking legs, a pair of pedipalps, and no mandible or antennae are found in
	which of the following?
Alt1	Chelicerata.
Alt2	Eurypterida.
	Xiphosurida.
	Pycnogonida.
46	Which one of the following ERs originates first?
	Granular type ER
	Round ER
	Fragmented ER
	Smooth ER
47	Nematocysts are the organs of:-
	Respiration
	Sensation
	Defence and offence
	Reproduction
,	
48	Choanocytes in sponges are present:-
	Line the gastric cavity
	Located between the outer and inner layers
	On the external body surface
	In the mesodermal layer
• •	, · · · · · · · · · · · · · · · · · · ·
49	Sycon belong to the class:-
	Desmospongia
	Hexactinellida
	Porifera
	Calcarea
,	
50	Species is:-
501	

Alt1	Specific unit of evolution
Alt2	Specific class of evolution
Alt3	Specific unit of the evolutionary
Alt4	History of a race
51	Larva of sponge is known as:-
Alt1	Amphiblastula larva
Alt2	Trochophore larva
	Planula larva
Alt4	Glochidium larva
52	A resistant, quiescent stage in the life cycle of a protozoan is called a:-
	Cyst.
	Gamete.
	Sporozoite.
	Merozoite
53	Who has suggested six-kingdom classification?
	Whittaker
Alt2	Carl Woese
Alt3	Haeckel
Alt4	Huxley
54	Species most vulnerable to extinction from human activities are those with:-
Alt1	Many natural predators
Alt2	Low carrying capacities
Alt3	Large niches
Alt4	High population growth rates
55	Species which are able to exchange genes freely without loss of fertility or vigour is known as:-
Alt1	Semispecies
Alt2	Coenospecies
Alt3	Ecospecies
Alt4	Superspecies
56	Hemocoelic body cavity is a characteristic of:-
Alt1	Leech
	Cockroach
	Snails
Alt4	Ascaris
	A topotype is:-
	A specimen used by a second author
	A specimen other than the holotype referred to in the original publication
	A specimen collected at the type locality
Alt4	A specimen selected to serve as a substitute for the holotype

58	Birds have wings, as do beetles. However, they do not share a recent, common ancestor. Therefore the
	possession of wings is known as:-
Alt1	Homoplasy
Alt2	Polarity
Alt3	Ancestry
Alt4	Homology
59	When cilia are fused into a sheet of material that can be used for locomotion or for moving food particles
	toward the cytopharynx, the sheet is called a(n)
Alt1	Undulating membrane.
Alt2	Flagella.
Alt3	Infraciliature.
Alt4	Pellicle
60	The particular specimen or element designated by the author of a taxon is designated as:-
	Neotype
Alt2	Holotype
Alt3	Paratype
	Lectotype
61	The poisonous fluid present in the nematocysts of Hydra is:-
Alt1	Haematin
Alt2	Venom
Alt3	Hypnotoxin
	Toxin
62	Who has introduced five kingdom system of biological classification?
Alt1	Linnaeus
Alt2	Robert N. Whittaker
Alt3	Ernst Mayr
Alt4	Copeland
63	The organs of taste in cockroach are present in:-
	Hypopharynx
Alt2	Pharynx
Alt3	Epipharynx only
	Palps and epipharynx
64	When was 'Man and the Biosphere' programme launched by the UNESCO?
	1986
Alt2	1965
Alt3	1968
Alt4	1971
65	Emerson enhancement proves that:-
	There are light and dark reactions in photosynthesis
	Photorespiration

Alt3	Photophosphorylation
Alt4	There are two photochemical reactions in light reaction
66	The trochophore larva indicates a common ancestry for which of the following pairs?
Alt1	Mollusca-Cnidaria
Alt2	Mollusca-Annelida
Alt3	Mollusca-Cephalopoda
Alt4	Mollusca-Nematoda
67	Which of the following is the contractile protein of a muscle?
	Tubulin
Alt2	Myosin
	Tubuleen
	Actin
68	One of the two more specimens or elements designated simultaneously as the type is called:-
	Isotype
	Neotype
	Paratype
	Syntype
7	
69	The body cavity of Ascarisis pseudocoel because:-
	It is bound extremely by muscle layer and internally by intestines
	It contains large cells termed psuedocoelocytes
	It is filled with pseudocoelomic fluid
	It has very little parenchyma
Alt4	it has very fittle pareficityina
70	Which one is known as Nature's plough man:-
	Cattle leech
	Nereis
	Earthworm
	Polygordius
All4	Folygordius
71	The first body segment of earthworm is:-
	Protostomium
	Peristomium
	Peristome
	Protostome
AIL4	Protostome
72	The distal parts of Malaighian tubules in Cockreach
	The distal parts of Malpighian tubules in Cockroach:-
	Are attached to alimentary canal Open into coelomic cavity
	Open into haemolymph
Alt4	Float freely in haemolymph
70	
	The most primitive invertebrate to possess musculo- epithelial cells and nerve cells is:-
Alt1	Hydra

Alt2	Sycon
Alt3	Fasciola
Alt4	Spongilla
74	The excretory units of Annelids are:-
Alt1	Nephiridia
Alt2	Flame cells
Alt3	Nephrostomes
Alt4	Uriniferous tubules
75	Skeleton of sponges is produced by:-
Alt1	Thescocytes
	Choanocytes
	Sclerocytes
Alt4	Pinacocytes
	Polymorphic cnidarians are the members of the class:-
	Actinozoa
	Hydrozoa
	Scyphozoa
Alt4	Anthozoa
	The mode of respiration in earthworm is:-
Alt1	
	Subcutaneous
	Pulmonary
Alt4	Cutaneous
70	The other reason was to be always to be a single or a
	The nitrogenous waste in cockroach is mainly excreted as:-
Alt1	Urea and uric acid
	Uric acid
	Ammonia
AIL4	Allitiona
79	Which class has the largest number of animals?
	Fishes
	Insects
	Mammals
	Reptiles
	·
80	Identify the larva which is present only in members of gastropods:-
	Muller's larva
	Veliger
	Trochophore
	Glochidium
81	Osphradium is to test the purity of water in:-

Alt1	Earth worm
Alt2	Housefly
Alt3	Pila
Alt4	Starfish
82	In helminthes, flame cells are component of their:-
Alt1	Respiratory system
Alt2	Excretory system
	Reproductive system
Alt4	Nervous system
	Sea anemone is:-
	Diploblastic, radially symmetrical animal
	Triploblastic, radially symmetrical animal
	Diploblastic, bilaterally symmetrical animal
Alt4	Triploblastic, bilaterally symmetrical animal
0.4	Bath sponge belongs to the class:-
	Calcarea
	Porifera
	Desmospongia
	Hexactinellida
7.101	TI CAGCUTCING
85	In earthworm fertilization occurs in:-
	Ootheca
Alt2	Coon
Alt3	Oviduct
Alt4	Water
86	Devil fish is the common name of:-
	Teredo
	Sepia
	Loligo
Alt4	Octopus
	No. 2. 2
	Nereis is commonly called:-
	Round worm
	Calm worm Earthworm
Alt4	Ring worm
QQ	The respiratory organs in a freshwater mussel are:-
	Gills
	Book lungs
	Pulmonary sacs
	Respiratory siphons
7,110	

89	The cell organelle involved in the glycosylation of protein is:-
Alt1	Endoplasmic reticulum
Alt2	Peroxisome
Alt3	Ribosomes
Alt4	Mitochondria
90	Role of typhlosole in the intestine of earthworm is:-
Alt1	To control flow of blood
Alt2	To kill bacteria
Alt3	To produce digestive enzymes
Alt4	To increase absorptive surface
91	Most advanced molluscs belong to the class:-
	Monopacophora
Alt2	Cephalopoda
	Gastropoda
Alt4	Amphineura
92	In which of the following the heart is not ventral in position?
	Lamprey
Alt2	Frog
	Fish
Alt4	Crabs
93	In chloroplasts proteinaceous granules surrounded by starch form a compact body called:-
	Eyespot
	Paramylum
Alt3	Volutin
Alt4	Pyrenoid
94	Males are produced parthenogenetically in:-
	Silk moth
Alt2	Lac insect
Alt3	Butterfly
	Honey bee
	·
95	Elephantiasis caused by:-
	Fasiola hepatica
	Wuchereia bancrofti
Alt3	Ascaris lumbricoides
	Enterobius vermicularis
96	In the life cycle of Liver fluke the sheep get infection when they ingest:-
	Encysted cereriae
	Miracodia
	Sporocysts
	Rediae

97	Common bath sponge is:-
Alt1	Spongilla
Alt2	Syon
Alt3	Euspongia
Alt4	Euplectella
98	The mouth parts of house fly are of :-
Alt1	Biting and chewing type
Alt2	Sucking and sponging type
Alt3	Piercing and sucking type
Alt4	Biting, sucking and lapping type
99	Which of the following combination of phylum and description is incorrect?
Alt1	Platyhelminthes- flatworms, gastrovascular cavity, acoelomate
Alt2	Nematoda-roundworms, pseudocoelomate
Alt3	Calcarea-gastrovascular cavity, coelom present
Alt4	Echinodermata-bilateral symmetry as larva, coelom present
100	A frog with body temperature of 20°C is transferred to an area with 30°C temperature. What will be the body
	temperature of frog in the new environment?
Alt1	25°C
	lance.
Alt2	30°C

Alt4 Fluctuates between 20°C -30°C