## **PU M Sc Ecology and Environmental Sciences**

180	f 100 PU_2015_371 nsgenics are known to be:-
0	
0	disease-resistant
0	disease-promotive
	disease-prone
148	f 100 PU_2015_371 ich one is the primary pollutant?
	СО
0	PAN
0	Smoke
O	$CO_2$
115	f <b>100</b> PU_2015_371 automated system for the capture, storage, retrieval, analysis and display of spatial data is known as:-
0	a GPS
0	Landsat
0	IRS
0	a GIS
160	f 100 PU_2015_371 ter that is good enough to drink is called:-
0	Surface Water
0	Potable Water
	Artesian Water
0	Ground Water
123	f 100 PU_2015_371 ich of these below is not a measure of indoor air quality?
0	Smoke Pollution
	Dust Pollution
$\circ$	Carbon Monoxide Pollution

0	Heat
135 Wha	f <b>100</b> PU_2015_371 at process follows, evaporation, rainfall?
0	Infiltration
0	Condensation
0	Transpiration
0	Absorption
168	F 100 PU_2015_371 most serious environmental effect posed by hazardous wastes is:-
0	Contamination of groundwater
0	Destruction of habitat
0	Increased use of land for landfills
~	Air pollution
215	F 100 PU_2015_371 ch one of the hydrophytes contains root pockets?
0	Eichhornia
0	Azolla
0	Najas
0	Lemna
113	F 100 PU_2015_371 smallest unit in a raster data is:-
0	Pixel
0	Polygon
0	Line
0	Point
219 Nan	of 100 PU_2015_371 o means:-
0	one billionth
0	one millionth
0	one hundredth

0	zero
185	of 100 PU_2015_371 nacles growing on the back of whale is an example for:-
0	mutualism
0	commensalism
0	parasitism
0	amensalism
178	of 100 PU_2015_371 e trunks of humid tropical forests are clothed with:-
0	Hydrophytes
0	Saprophytes
0	Epiphytes
0	Parasites
100	of 100 PU_2015_371 instrument which provides EMR of a specified wavelength is called:-
0	Sensor
0	Passive sensor
0	Satellite
0	Active sensor
105 Atm	of 100 PU_2015_371 cospheric window is nothing but:-
0	spectral region of the EMR which passes through the atmosphere without much attenuation
0	spectral region of the EMR which is absorbed by the atmospheric particles
0	spectral region of the EMR absorbed by the earth surface
0	spectral region of the EMR reflected by the earth surface
183 Whi	of 100 PU_2015_371 ich one is true?
0	commensalism when none of the interacting individuals affect each other
0	commensalism when the interaction is useful to both
0	symbiosis when the interaction is useful to both

0	symbiosis when neither affects the other
181 Exo	of 100 PU_2015_371 tic plants exhibit:-
0	slow growth and low-nutrient efficiency
0	slow elongation and growth
0	fast growth and high-nutrient efficiency
0	none of these
203 Whi	of 100 PU_2015_371 ch one of the wetland types has carpet of <i>Sphagnum</i> moss?
0	Bogs
0	Tundra
0	Marshes
О	Fen
205	of 100 PU_2015_371 e of coral reefs growing in Gulf of Mannar bioreserve is:-
0	Barrier reef
0	Atoll
0	Fringing reef
О	Hard coral
107 Pick	of 100 PU_2015_371 c up the correct statement from the following:-
0	Spatial resolution of the imaging system decreases with decrease in platform height.
0	Altitude of the satellite decides the spatial resolution.
0	Scale of the aerial imaging depends on altitude of the airplane.
0	Sensor's platforms are stationary.
20 of 100 144 PU_2015_371 When solid becomes liquid at its melting point, the entropy:-	
0	Decreases
0	Increases
O	Zero

Remains unaltered  21 of 100  111 PU_2015_371 All bodies at temperatures above absolute zero degree emit electromagnetic radiations at different wavelengths, is known as:-  Neuton's Law Planktan's Law Lambert's cosine Law Plank's Law  22 of 100  156 PU_2015_371 Photochemical smog is generally formed:- in early hours of winters when intensity of solar radiations is very low when concentration of particulate matter is very low around mid-day in summer months  23 of 100  132 PU_2015_371 The impact of sea level rise can be seen on the following examples, except:- Island systems Hydropower generation Tourism activities Coastal degradation  24 of 100 174 PU_2015_371 Root nodules with N <sub>2</sub> fixers occur in:- cereals & cinnamons cassytha & mints cassava & sedges casuarinas & legumes  25 of 100 162 PU_2015_371 The boundary between the saturated zone and the unsaturated zone is called the:-		
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Planktan's Law  Plank's Law  22 of 100  156 PU_2015_371 Photochemical smog is generally formed:-  in early hours of winters  when intensity of solar radiations is very low  when concentration of particulate matter is very low  around mid-day in summer months  23 of 100  132 PU_2015_371 The impact of sea level rise can be seen on the following examples, except:-  Island systems  Hydropower generation  Tourism activities  Coastal degradation  24 of 100  174 PU_2015_371 Root nodules with N₂ fixers occur in:-  cereals & cinnamons  cassytha & mints  cassava & sedges  casuarinas & legumes  25 of 100  162 PU_2015_371 The boundary between the saturated zone and the unsaturated zone is called the:-	111 All b	PU_2015_371 podies at temperatures above absolute zero degree emit electromagnetic radiations at different
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174 PU_2015_371 Root nodules with N₂ fixers occur in:-  cereals & cinnamons  cassytha & mints  cassava & sedges  casuarinas & legumes  25 of 100  162 PU_2015_371 The boundary between the saturated zone and the unsaturated zone is called the:-	0	Coastal degradation
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cassytna & mints  cassava & sedges  casuarinas & legumes  25 of 100  162 PU_2015_371  The boundary between the saturated zone and the unsaturated zone is called the:-	_	cereals & cinnamons
cassava & sedges  casuarinas & legumes  25 of 100  162 PU_2015_371  The boundary between the saturated zone and the unsaturated zone is called the:-	_	cassytha & mints
25 of 100 162 PU_2015_371 The boundary between the saturated zone and the unsaturated zone is called the:-	_	cassava & sedges
162 PU_2015_371 The boundary between the saturated zone and the unsaturated zone is called the:-	О	casuarinas & legumes
O n	162	PU_2015_371 boundary between the saturated zone and the unsaturated zone is called the:-
Porosity Aguiclude	0	•

0	Aquifer
O	Water Table
193	of 100 PU_2015_371 ch of the following is LEAST likely to be an effect of global warming?
0	Loss of fertile delta regions for agriculture
0	Extinction of some species that have narrow temperature requirements
0	Decreased rate of photosynthesis in vegetation
0	Change in global patterns of precipitation
158 Sod	of 100 PU_2015_371 ium is usually estimated by which of the following analytical technique:-
0	Flame photometry
0	Calorimetry
0	Visible spectrophotometry
0	High pressure liquid chromatography
109	of 100 PU_2015_371 active sensor depends on:-
0	GIS
0	Sun light
0	GPS
0	Radar
152 The	PU_2015_371 main chemical responsible for hematotoxicity is:-
0	SO <sub>2</sub>
0	$NO_2$
0	CO <sub>2</sub>
O	CO
125 Whi	of 100 PU_2015_371 ch of these is not a symptom of ozone pollution on human health?
0	Sore throat
0	Amnesia

0	Asthmatic attack
	Lung cancer
103 The	PU_2015_371 repetivity of a satellite decides:-
0	radiometric resolution
0	spatial resolution
0	spectral resolution
0	temporal resolution
139 The	PU_2015_371 World's coal resources is not exhaustively exploited, because:-
0	Limited technology know-how in coal-fired energy generation
0	It is not environmental friendly
0	Limited coal deposits
0	Operation costs are very expensive
211	of 100 PU_2015_371 ch one of the following is not a wetland plant?
0	Cyprus
0	Scirpus
0	Typha
0	Ceratophyllum
209 Oce	of 100 PU_2015_371 an tide prevailing during full moon and new moon days, is called:-
0	ocean tide
0	neap tide
0	lunar tide
О	spring tide
207	of 100 PU_2015_371 ch of the hydrophyte lacks stomata completely?
0	Potamageton
0	Ceratophyllum

0	Lemna
0	Pistia
164 Tick	of 100 PU_2015_371 the order of biomes indicating increasing rainfall.
0	Grasslands, rainforests & deserts
0	Cold deserts, hot deserts & grasslands
0	Rainforests, savannahs & deciduous forests
0	Deserts, savannahs, deciduous & evergreen forests
121	of 100 PU_2015_371 ich of these instruments records wind direction? Anemometer Thermograph Rain Gauge Barograph
119	of 100 PPU_2015_371 E largest scale of the following is:- 1:500000 1:100000 1:25000
146	of 100 FPU_2015_371 and is measured by the unit:-
0	Decibel
0	Calorie
0	Bel
	Watt
195 Mos	of 100 5 PU_2015_371 st of the Earth's deserts are at approximately 30 latitude, north and south, because these latitudes are tracterized by:-  descending dry air currents

000	predominantly low atmospheric pressure generally warm ocean currents
$\sim$	slow-moving jet streams
127 Wh	of 100 PU_2015_371 ich of these below best describe India's climate?
0	Tropical Monsoon
0	Tropical Wet and Dry
0	Tropical Wet
0	Tropical Dry
166 The	of 100 PU_2015_371 progressive series of changes that eventually produce a climax community on what was once a bare by island is an example of:-
~	speciation
0	evolution
0	primary succession
О	secondary succession
117	of 100 PU_2015_371 cise measurement of Earth features in Photogrammetry can be obtained from:-
0	low-oblique photographs
0	high-oblique photographs
$\circ$	vertical aerial photographs
0	only high-and low-oblique aerial photographs
197	of 100 PU_2015_371 ich of the following is the best example of environmental remediation?
000	The annual volume of sewage flowing into a stream is decreased by one half
	PCB-consuming bacteria are sprayed on an area that has soil contaminated with PCBs
	The height of a factory smokestack is increased
0	A species of trout becomes extinct in a eutrophic lake
45	of 100

189 PU\_2015\_371 Which of the following interactions will not promote co evolution?

0000	Commensalism Parasitism Interspecific competition Mutualism
199 A c	of 100 9 PU_2015_371 ountry currently has a population of 100 million and an annual growth rate of3.5 percent. If the growth e remains constant, what will be the population of this country in 40 years?  150 million  300 million  400 million
187 Wh C C C 48 213	of 100 7 PU_2015_371 en both partners are affected negatively the nature of interaction is:- predation amensalism commensalism competition of 100 8 PU_2015_371 ammophytes means:- plants growing in red soil plants growing in sandy soil plants growing in polar region plants growing in Taiga
176	of 100 6 PU_2015_371 ating & rooted macrophytes of pond ecosystems:- Halophila - Halodule & Eichhornia - Pistia Lemna - Wolfia & Elodia Vallisneria Enhalus - Blyxa & Lemna - Hydrocharis Utricularia - Oenothera & Wolfia - Eichhornia

50 of 100

217 PU\_2015\_371

Whi	ch one of following is not a lentic water body?
0	Pond
0	River
0	Lake
0	Sea
137 Whi	of 100 PU_2015_371 ch of these describes Malthusian theory on population growth?
0	Decayed growth
0	None applicable
0	Linear growth
0	Exponential growth
141	PU_2015_371 ch of the processes below not associated with vegetation systems?  Transpiration
0	Photosynthesis
0	Interception
0	Leaching
101	PU_2015_371 equatorial crossing time of a sun-synchronous satellite is around:- 7.30 am to 8.30 am 10.15 pm to 11.15 pm
U .	10.15 am to 11.15 am
0	7.30 pm to 8.30 pm
191 Мус	PU_2015_371 orrhiza represents:-
0	parasitic association between a fungus and roots of plants
0	symbiotic association between a fungus and roots of higher plants
0	parasitic association between a fungus and an alga
0	symbiotic association between a fungus and liverworts
55 d	of 100

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	largest mangrove area in India is:-
0	Gulf of Mannar
0	Sundarbans
0	Palk Strait
0	Gulf of Combay
154	of 100 PU_2015_371 hottest region of atmosphere is:- Troposphere
0	Mesosphere
0	Stratosphere
$\sim$	Ionosphere
201 Whi sucl	of 100 PU_2015_371 ch type of electricity-generating power plant releases radioactive materials as well as toxic metals has lead and arsenic under normal operating conditions?
0	Coal-burning Coal-burning
0	Nuclear
0	Solar
0	Hydroelectric
150	PU_2015_371 temperature of earth core is about:- 20,000°C 1000°C 500°C 5500°C
172	of 100 PU_2015_371 ed control is achieved by:-
0	cytological, physiological & embryological means
0	pathological, karyologocal & cytological means
0	chronological, cytological & astrological means
$\circ$	mechanical, chemical & biological means

	PU_2015_371 ch of these below is not an indicator of global warming?
0	Glacial retreat
0	Increase in Green House Gases (GHGs)
0	Sea level rise
0	Slope failures
223 Dob	PU_2015_371 son unit is a used to express concentration of:- Moisture Oxygen
O	СО
0	Ozone
233 Bior	of 100 PU_2015_371 magnification is:-
0	A chemical process used to manufacture pesticides
0	Increasing toxicity of animal products used in the food industry
0	Increase in concentration of toxic substances at higher levels in food chain
0	Large scale increase in CO <sub>2</sub> in the atmosphere
245	of 100 PU_2015_371 ch of the following is most sensitive to outlier values?
0	Median
О О	Mean
0	Mode
	Kurtosis
229	of 100 PU_2015_371 of the following combination lists out current environmental issues:-
0	Deforestation, transpiration, hibernation
0	Ozone depletion, respiration and photosynthesis
0	Sea level rising, pollination, nutrient cycling
0	Deforestation, biodiversity loss, ozone depletion and population increase

	PU_2015_371 osulfan is reported to cause:-
0	endo-purine reaction
0	endemic rashes
0	genetic disorders
0	endometrial disorders
241 Whi	of 100 PU_2015_371 ch of the following is more persistent in toxicity?
0	Carbamate insecticide
0	Fumigant insecticide
0	Organophosphorus insecticide
0	Organochlorine insecticide
251	of 100 PU_2015_371 ses have:-
0	proteins and DNA
О	proteins and RNA
0	only proteins
0	proteins and DNA or RNA
231	of 100 PU_2015_371 immobilization technique is facilitated using:-
0	Sodium alginate
0	Sodium chloride
О	Potassium permanganate
0	Calcium carbide
237 The	of 100 PU_2015_371 following are reported to emit Electro Magnetic Radiation:-
0	Cellphone towers
0	High altitude towers
0	Water reservoirs
0	Bromine water

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221 PU_2015_371 Name of the gas that caused disaster in Bhopal is,:-		
0	PAN	
0	Methyl isocyanate	
0	Acetylcholine	
0	Butyl alcohol	
259 Whi	of 100 PU_2015_371 ch of the following is an arithmetic progression?	
0	1,11,111,1111	
0	1,2,4,8	
0	1,2,3,4	
0	1,1,2,3,5	
249 Pho	of 100 PU_2015_371 tosynthesis is energised by:-	
0	red part of sunlight	
0	violet-blue part of sunlight	
0	green part of sunlight	
0	UV radiation in sunlight	
73 of 100 247 PU_2015_371 When you take a loan on compound interest the amount payable:-		
0	will increase quartically with time	
0	will increase quadratically with time	
0	will increase linearly with time	
0	will increase exponentially with time	
<b>74 of 100</b> 225 PU_2015_371 Who is related to 'Use and Disuse theory' of evolution?		
0	T.H.Morgan	
0	Charles Darwin	
0	Mendal	
0	De Vris	

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	PU_2015_371 ich one of the places is likely to be effected by Chemical weathering?
0	Tibetan Plateau
0	Siwaliks
0	Western Ghats
0	Thar Desert
255 The nan	of 100 5 PU_2015_371 2 African elephant is given binomial name of <i>Loxodonta africana</i> . The Asian elephant is given the ne <i>Elephas maximus</i> . They belong to:-
0	the same genus but different family
0	the same family but different genus
0	different genus and family
0	the same genus and family
239 Wh	of 100 PU_2015_371 ich of the following is not a micro-parasite?
0	Helminth
0	Virus
0	Bacteria
0	Mycoplasma
253 Hur	of 100 5 PU_2015_371 man genome contains approximately (order of magnitude wise):-
0	20000 active genes
0	2 million active genes
0	2000 active genes
О	200000 active genes
257 Eve	of 100 PU_2015_371 ergreen forests are made up of trees like:-
0	mango
0	coconut
0	teak
0	oak

235	of 100 PU_2015_371 Water Act amondment was made in the year:
0	Water Act amendment was made in the year:- 2001
0	1999
0	1988
0	2014
272	PU_2015_371 ch of these Biosphere Reserves was established in India? Palawan Biosphere Reserve Woolong Biosphere Reserve
0	Nilgiri Biosphere Reserve
0	Mount Chatkal Biosphere Reserve
266	PU_2015_371 at is the measure of a species density?  All individuals of a species in unit area  All species in unit area  Relative abundance of species  Abundance of individuals
270	PU_2015_371 psis is a process of cell division that results in the production of:- Four haploid cells Two diploid cells Four diploid cells None of the above
288	PU_2015_371 enzyme that breaks DNA into segments:- Ligase
O	Polymerase
0	Amylase
0	Endonuclease

274	of 100 PU_2015_371 old is the earth?
О	Over 4 billion years
О	The earth always existed
0	10,000 years
0	1 million years
268 The	of 100 PU_2015_371 Hardy-Weinberg law is the basis for which subject?
0	Niche theory
0	Species-area relationship
0	Mendelian genetics
0	Population genetics
298	of 100 PU_2015_371 ch of the following does not occur within mitochondria?
0	Krebs cycle
0	Glycolysis
0	Electron transport system
0	ATP synthesis
280	of 100 PU_2015_371 o wrote the 'Origin of Species'? Charles Darwin
0	Alexander Humbolt
0	John Maynard Smith
0	Charles Lyell
296	of 100 PU_2015_371 excretory organs in silkworms are:-
0	Book lungs
0	Malpighian tubules
0	Trachea
0	None

of 100 PU_2015_371 makes stee are formed in
mphocytes are formed in:-
Spleen
Yolk
Bone marrow
Liver
of 100 PU_2015_371 anced sets of chromosomes are seen in:-
Aneupoids
Alloploids
Euploid
Auto polyploids
of 100 PU_2015_371 ch of these Phyla in the animal kingdom have the largest number of species? Cnidaria Arthropoda
Bacteria
Chordata
of 100 PU_2015_371 mone for falling of leaf in plants:- Ethylene Auxins AB Acid Gibberellin
of 100 PU_2015_371 ch is the largest mammal?
African Elephant
Dugong
Blue Whale
Giraffe

282	of 100 PU_2015_371 organelle that aids in photorespiration:-
0	None
0	Golgi bodies
О	Mitochondria
0	Peroxysomes
260	PU_2015_371 BYTE can store unsigned integer values from:- 0-255 0-127 1-256 1-128
264	PU_2015_371 normal year Tamil Nadu is likely to receive approximately:- 2500 mm of rain
0	1500 mm of rain
0	1000 mm of rain
0	750 mm of rain
284 High	PU_2015_371 n photosynthetic activity is seen in:- Fern Algae Bryophytes Angiosperms
99 of 100 286 PU_2015_371 Which of the following play important role in protein syntl	
0	E.R
О	Vacuoles
0	Ribosomes
0	Mitochondria

100 of 100
262 PU_2015_371
The value of e - the base of natural logarithms - is best approximated by:-
2.718
1.414
1.618
3.142

## **371 PU M Sc Ecology and Environmental Sciences**

188	f 100 PU_2016_371_E od parasitism refers to:-
0	When different species are cheated into raising young of others
	When young are parasitized by Schistosomiasis
0	Tick infections of nestlings
0	Salamonella infection in a chicken coop
120	f 100 PU_2016_371_E ne a famous Indian ornithologist:-
0	Dr. Salim Ali
0	Dr. Amartya Sen
0	Dr. S. C. Bose
0	Dr. P. Albert
144 The	f 100 PU_2016_371_E Calvin - Benson cycle is part of the:-
0	Respiration
0	Food web
0	Photosynthesis
0	Nitrogen cycle
161 Wh	f 100 PU_2016_371_E ich of the following is a secondary pollutant?
0	$SO_2$
0	$O_3$
0	СО
0	CO <sub>2</sub>
200 Pop	f 100 PU_2016_371_E pulation will grow geometrically but resources arithmetically and so we would perish A statementably similar to the above is attributed to:-
0	Bishop Malthus
0	Acharya Chankya
0	Pope Pius XI

0	Thomas Alva Edison
157 Whi	f 100 PU_2016_371_E ch of these mammals are not found in India?
0	Lions
0	Rhinoceros
0	Hippopotamus
0	Tigers
121 Wha	f 100 PU_2016_371_E at is a Common Krait?
0	A fish
0	A reptile
0	A frog
0	A salamander
156 An i	f 100 PU_2016_371_E nverted ecological pyramid of energy flow is seen in:-
0	Oceans
0	Rainforest
0	Desert
0	Tundra
113 Dur	F 100 PU_2016_371_E ing which geological age did the dinosaurs go extinct?
0	Pleistocene
0	Cretaceous-Tertiary
0	Triassic
0	Jurassic
217 Whi	of 100 PU_2016_371_E ch of these processes cause evolutionary change in populations?
0	Growth rate
0	Mortality rate
0	Genetic drift

0	Fecundity
173 Tick	of 100 PU_2016_371_E the odd item :-
0	Oaks, Teak, Sal
0	Camel, Lizards, Birds
0	Corals, Sponges, Fishes
0	Palms, Gingers, Orchids
152 Par	of 100 PU_2016_371_E ticulate pollutants are:-
0	small solid particles and liquid droplets
0	small solid particles released into the atmosphere
0	liquid droplets in atmosphere
0	all of the above
181	of 100 PU_2016_371_E mple of poikilotherms is:- Bird Snake Humans
0	Cow
176 Rep	of 100 PU_2016_371_E presentatives of four major Arthropod classes include:-
0	Canids, felids & bovids
0	Annelids, centipedes & polychaetes
0	Millepedes, crabs, lepidopterans & arachnids
0	Nematodes, earthworms & corals
15 of 100 201 PU_2016_371_E Which one of the following is 'power house' of a cell?	
0	Golgi bodies
0	Chromosomes
0	Nucleolus

0	Mitochondria
153 All a	of 100 PU_2016_371_E are particulate pollutants except:-
0	Ozone
0	Smoke
0	Dust
0	Soot
100 How	of 100 PU_2016_371_E w many Kingdoms have been recognized in biology?
0	Four
0	Five
0	Three
0	Seven
132	of 100 PU_2016_371_E luscs include:-
0	Sharks, prawns & shrimps
0	Barnacles, gastropods & oysters
0	Finfish, Seaweeds & Arthropods
0	Star fish, sea urchins & sea cucumbers
137 The	of 100 PU_2016_371_E fraction of solar energy converted to chemical energy by producers is called:-
0	Net primary productivity
0	Gross primary productivity
0	Metabolism
О	Biomass
164 The	of 100 PU_2016_371_E ory of inheritance of acquired characters was put forward by:-
0	Bateson
0	Mendel
0	Lamarck

C Darwin	
21 of 100 149 PU_2016_371_E Algal bloom results in:-	
Biomagnification	
Eutrophication	
Global warming	
Salination	
22 of 100 148 PU_2016_371_E The green house gases, otherwise called radioactively active gases includes:-	
° CH₄	
Carbon dioxide	
<sup>©</sup> N₂O	
CO <sub>2</sub> , CH <sub>4</sub> and N <sub>2</sub> O	
23 of 100 129 PU_2016_371_E This is a viviparous snake:-	
Cobra	
C Russells Viper	
Python	
C Krait	
24 of 100 124 PU_2016_371_E Reproduction in Protista takes place by:-	
Meiosis	
Mitosis	
Fission	
Syngamy	
25 of 100 204 PU_2016_371_E Kaziranga National Park is famous for:-	
C Amur tiger	
Dugong	
Snow leopard	

0	One horned Rhinoceros
189	of 100 PU_2016_371_E aria is a disease caused by a:-
0	Parasite
0	Fungus
0	Bacteria
0	Virus
136 Car	of 100 PU_2016_371_E bohydrates are organic compounds made up of:-
0	Carbon, oxygen
0	Carbon, amino acids
0	Carbon, oxygen, hydrogen and nitrogen
0	Carbon, oxygen, hydrogen
108 The	of 100 PU_2016_371_E self regulatory mechanism which leads to steady state in living organisms is:-
0	Sustainable
0	Heterologous
0	Phyllotaxis
0	Homeostasis
205 Suc	of 100 PU_2016_371_E ccessful establishment of a new species in an ecosystem is called:-
0	Ecesis
0	Sere
0	Invasion
0	Climax
172 Wha	of 100 PU_2016_371_E at are the respiratory organs in insects?
0	Lungs
0	Skin
0	Trachea

0	Gills
128 This	of 100 PU_2016_371_E s is a viviparous plant:-
0	Banyan
0	Neem
0	Rhizophora
О	Lantana
125 End	of 100 PU_2016_371_E ophytes are usually:-
0	Fungi
0	Protists
0	Plants
О	Cell organelles
192	of 100 PU_2016_371_E nosis refers to:-
0	Transfer of a disease from wild to domestic animal
0	Transfer of a disease from a humans to animals
0	Transfer of a disease from a wild or domestic animal to human beings
0	Diseases transmitted in zoos.
213 Son	of 100 PU_2016_371_E ne plants harbor ants to prevent damage by other herbivores:-
0	Anemophily
0	Entomophily
0	Zoophily
0	Myrmecophily
145	of 100 PU_2016_371_E I rain is caused by:-
0	Discharge of sulphur and nitrogen into the atmosphere
0	Forest fires
	CO <sub>2</sub> discharge into atmosphere

0	Chlorofluocarbons
184 Her	of 100 PU_2016_371_E maphrodite plant refers to:-
0	Plants with some female and some bisexual flowers
0	Male and female parts in different flowers in same plant
0	Male and female flowers in separate plants
0	Flowers with both male and female parts
140 Fun	of 100 PU_2016_371_E gi are:-
0	Heterotrophs
0	Autotrophs
0	Both
0	Neither
109	of 100 PU_2016_371_E evolutionary history of an organism is known as its:- Paleontology
0	Phylogeny
0	Ancestry
0	Taxonomy
160 Fine	of 100 PU_2016_371_E e organic or inorganic particles suspended in air is called:-
0	Gaseous pollutant
0	Aerosol
0	Particulate pollutant
U	None of these
117 Hov	of 100 PU_2016_371_E v many species of birds are there globally?
0	About 100,000
U	About 5000
$\circ$	About 1000

0	About 10,000
165 Plar	of 100 PU_2016_371_E nt growth substances include:-
0	Nitogen, Phosphorus, Potassium
0	Adenine, Guanine, Cytosine
0	Auxin, Gibberellin, Cytokinin
0	Sporopollenin, Chlorophyll
112	of 100 PU_2016_371_E a was part of which continent over 550 million years ago?
0	Laurasia
0	Gondwana
0	Asia
0	Europe
180 Tick	of 100 PU_2016_371_E the set of invasive weeds in India:-
0	Lantana, Eichhornia, Chromolaena
0	Pine, fir, linden
0	Teak, sal, red sanders
0	Gnetum, Connarus, Derris
208	of 100 PU_2016_371_E le of nutrition by killing the host is:-
0	Amensalism
0	Predation
0	Commensalism
0	Parasitism
197 The	of 100 PU_2016_371_E Hardy-Weinberg law is the basis for which subject:-
0	Mendelian genetics
0	Niche theory
0	Population genetics

O	Species-area relationship
177 Kyo	of 100 PU_2016_371_E to Protocol is concerned with mitigating
0	Terrorism
0	Climate change
0	Deforestation
0	Acid rain
168 Min	of 100 PU_2016_371_E imata disease was caused by pollution of water by:-
0	Mercury
0	Cadmium
0	Tin
0	Lead
193	of 100 PU_2016_371_E graph of $y = \sqrt{x}$ is:-
0	A straight line that decreases in value with that of x
0	A straight line that increases in value with that of x but faster than a straight line
0	A straight line that increases in value with that of x
0	A straight line that increases in value with that of x but slower than a straight line
169	of 100 PU_2016_371_E se is measured with the sound meter and the unit is:-
0	Decibel
0	Hertz
0	Joule
0	Watts
185 The	of 100 PU_2016_371_E largest mangrove area in India is:-
0	Gulf of Mannar
	Sundarbans
0	Gulf of Cambay

0	Palk Strait
101 Life	of 100 PU_2016_371_E originated on earth:-
0	3.8 million years ago
0	4.8 million years ago
0	3.8 billion years ago
0	4.8 billion years ago
218	of 100 PU_2016_371_E frequency of an allele p in the population is 0.4. What would be the frequency of the allele q:-
_	0.16
0	0.6
0	1
	0.2
104	of 100 PU_2016_371_E atmosphere of primitive earth was:-
0	Rich in CO <sub>2</sub> and O <sub>2</sub>
0	Rich in O <sub>2</sub>
0	Lacked CO <sub>2</sub> and free O <sub>2</sub> was present
0	Rich in CO <sub>2</sub> and free O <sub>2</sub> was absent
212	of 100 PU_2016_371_E July is celebrated as:-
0	World food day
0	World population day
0	National science day
0	World environment day
141	of 100 PU_2016_371_E ess of water escaping from the plants in a liquid form is called:-
0	Osmosis
0	Transpiration
3,7	Guttation

0	Respiration
105 Whi	of 100 PU_2016_371_E ch is the widely accepted theory for origin of life on earth?
0	Extraterrestrial origin
0	Spontaneous generation
0	Chemical evolution
0	Special creation
196 A no	of 100 PU_2016_371_E bise that can cause damage to human being is typically above:-
0	55dB(A)
0	40 dB(A)
0	80 dB(A)
0	120 dB(A)
116	PU_2016_371_E ch Phylum in the animal kingdom has the largest number of described species?  Bacteria
0	Cordata
0	Cnidaria
0	Arthropoda
209 Glob	of 100 PU_2016_371_E oal warming is caused by the disruption of:-
0	Nitrogen cycle
0	Water Cycle
0	Hydrogen cycle
0	Carbon cycle
133 Plar	PU_2016_371_E nt synthesis protein from:-
0	Fatty acids
0	Sugar
О	Amino acids

0	Starch
224 Exp	of 100 PU_2016_371_M onential population growth has a:-
0	L shaped curve
0	Follows a linear model
0	S shaped curve
0	J shaped curve
256	of 100 PU_2016_371_M ch of the following play important role in Protein synthesis:-
0	E.R
0	Mitochondria
0	Vacuoles
0	Ribosomes
257 Kap	pf 100 PU_2016_371_M pa particles are seen in:-
0	Paramecium
0	Earthworm
0	Euglena
0	Trypanosome
249 Asb	of 100 PU_2016_371_M estos has been implicated in this cancer:-
0	Ovarian cancer
0	Mesothelioma
0	Leukemia
О	Does not cause cancer
225 The	PU_2016_371_M Indian population increases at an annual growth rate of as per the 2011 census.:-
0	1 to 2%
0	<1%
-	2 to 3%

0	>3%
221 In m	of 100 PU_2016_371_M nitosis the number of chromosomes in daughter cells is:-
0	Double
0	Same
0	One fourth
0	Half
244 The	of 100 PU_2016_371_M alternate forms of a gene:-
0	Genotype
0	Gene
0	Allele
0	Phenotype
232	of 100 PU_2016_371_M v does oxygen enter the atmosphere:-
0	Through decomposition
0	Through transpiration
0	Through respiration
0	Through photosynthesis
240 Litto	of 100 PU_2016_371_M oral zone is located along the:-
0	Ocean
0	Rivers
0	Lakes
О	Mountains
233 Whi	of 100 PU_2016_371_M ch continent is dominated by marsupial mammals:-
0	Laurasia
0	South America
0	Africa

C Australia
71 of 100 220 PU_2016_371_M A male normal coloured tiger is bred to a female white tiger. Normal coat colour is a dominant trait. Two of the offspring are white and two are normal coloured. What could be the reason:-
The male is heterozygous for coat colour
The gene is co-dominant and not dominant
White coat colour is a sex linked gene
Both are heterozygous for coat colour.
72 of 100 236 PU_2016_371_M The main role of soil bacteria:-
Decomposition
Synthesize new proteins
Causing infections to plants
Biomagnification
73 of 100 252 PU_2016_371_M Pedology deals with the study of:-
Aquatic plants
Water
Soil
C Air
74 of 100 253 PU_2016_371_M Ozone hole refers to:-
Increase in ozone in troposphere
Decrease in thickness of ozone layer
Hole in ozone layer
Decrease in ozone in troposphere
75 of 100 248 PU_2016_371_M Which is the animal symbol of the World Wide Fund for Nature (WWF):-
Penguin  C Times
Tiger

0	Red Panda
0	Giant Panda
228	PU_2016_371_M number of individuals per unit area gives the:- The life history attributes  Density  Age structure  Carrying capacity
237	of 100 PU_2016_371_M rgy flow in an ecosystem is:- Bidirectional
0 0	Unidirectional  Multidirectional  Does not flow in an ecosystem
245	PU_2016_371_M erozygous is when:- Alleles differ in a locus Genotype differs Metabolic variants Phenotype differs
229	PU_2016_371_M road based pyramid shaped age structure indicates:- Rapidly growing population The cohort effect Stable population Age structure
241	PU_2016_371_M erts, rain forests, tundra are example of:- Communities Ecosystems

0	Biosphere
0	Biomes
269 3 4/	of 100 PU_2016_371_D 5 expressed as a decimal is:-
0	3.50
0	3.45
0	3.80
0	3.40
285	PU_2016_371_D ression of the following number 3.8 x 10 <sup>-4</sup> without using the power of 10 is:-0.00038
0	38000
0	3800
0	0.00003
293	of 100 PU_2016_371_D cology C-3 and C-4 refer to:-
0	Rotational symmetry axes of a cubic crystal lattice
0	Photosynthetic pathway
0	Columns in a liquid Chromotograph
0	Isotopes of carbon
276 Prol	of 100 PU_2016_371_D bability sampling is based on the principle of:-
0000	Random sampling
	Selective sampling
	Nested sampling
	Total sampling
288	of 100 PU_2016_371_D angle that measures 90° is:-
0	A right angle
0	A hypotenuse

$\circ$	An obtuse angle
$\sim$	A triangle
265 Dev	of 100 PU_2016_371_D elopment of an Egg without fertilization is termed:-
0	Aspermy
0	Polyspermy
0	Androgenesis
0	Parthenogenesis
277	of 100 PU_2016_371_D method of using samples to estimate population parameters is:- Statistical inference
0	Statistical distribution
0	Statistical application
0	Statistical testing
295	of 100 PU_2016_371_D nals store glucose in the form of:-
0	Fructose
0	Glycogen
0	Amylose
0	Sucrose
289 The	PU_2016_371_D arithmetic mean is:-
$\circ$	Measure of aggregation
	A parameter of dispersion
	A measure of central tendency
0	A equality measure
260 The	PU_2016_371_D state where the embryonic development is temporarily arrested:-
0	Diapause
0	Moulting

	Synchrony
О	None
280 Whe	of 100 PU_2016_371_D en populations of different species share the environment and interact its known as:-
0	Guild
0	Population
0	Biome
0	Community
281	of 100 PU_2016_371_D nylogenetic relationship can be shown with a:- Blast
0	Golden path
0	Dendrogram
0	Phylogram
292	of 100 PU_2016_371_D linear model such as y=ax+b, the slope is:-
0	"b"
0	"y"
0	"a"
0	"x"
273	of 100 PU_2016_371_D ve: x - 3 = 5:-
~	8
0	5
~	-3
$\cup$	-8
261	of 100 PU_2016_371_D anced sets of chromosomes are seen in:-
0	Aneupoids
0	Euploid

0	Auto polyploids
0	Alloploids
296 Wha	of 100 PU_2016_371_D at is the scientific name of Humans?
0	Homo sapiens
0	Homo habilis
0	Homo erectus
0	Homo neanderthalensis
264	of 100 PU_2016_371_D excretory organs in silkworms are:- Trachea
0	Malpighian tubules
0	Book lungs
0	None
284	of 100 PU_2016_371_D strands in a DNA double helix are joined by:-
0	Hydrogen bonds between sugars
0	Hydrogen bonds between bases
0	Phosphodiester bonds between sugars
0	Phosphodiester bonds between bases
268	of 100 PU_2016_371_D at is ecdysone?
0000	Neurotransmitter
	Prokaryotic cell membrane
	Insect moulting hormone
	Plant hormone
272	of 100 PU_2016_371_D umber is divisible by 3 if the sum of its digits is divisible by:-
0	2
	3

° 1

Sr No.	MSc Ecology and Environmental Studies
1	Choose the missing term out of the given options:
	aababbabaab
Alt1	aaabb
Alt2	babab
	bbaab
Alt4	bbbaa
2	Choose word from the given options which bears the same relationship to the third word, as the first two bears:
	Hour : Second :: Tertiary : ?
۸۱+1	Intermediary
	Primary
	Ordinary
	Secondary
7.110-1	
3	Select the lettered pair that has the same relationship as the original pair of words:
	Stickler :Insist
Alt1	Laggard: Outlast
Alt2	Braggart: Boast
Alt3	Haggler: Concede
Alt4	Trickster: Risk
4	Select the lettered pair that has the same relationship as the original pair of words:
	Necromancy : Ghosts
	Romance: Stories
	Magie: Amulets
	Alchemy: Gold
Alt4	Sorcery: Spirits
5	Find out the number that has the same relationship as the numbers of the given pair:
3	MAD: JXA: RUN: ?
Alt1	ORK
	OSQ
Alt3	
Alt4	UXQ
6	Spot the defective segment from the following:
	Keep the miscreants
	at your arm's length
Alt3	
Alt4	they will pull the wool over your eyes
	The terrorists held the tourists for ransom.
	as hostages
	hostages hostage
AIT3	iiostage

Alt4	captives
	If I wealthy, I would have got many friends.
Alt1	had been
	were
Alt3	was
Alt4	am
9	Choose the option closest in meaning to the given word:
	NEOLOGISM
	inoculation
	coinage
	consistency
Alt4	mirth
10	Choose the antonymous option you consider the best:
	SUAVE
	crestfallen
	polite
	rough
Alt4	cherished
11	In a certain code, REFRIGERATOR is coded as ROTAREGIRFER. Which wordwould be coded as NOITINUMMA?
41.4	
	ANMOMIUTNI
	AMNTOMUIIN
	AMMUNITION
Alt4	NMMUNITIOA
12	Traffic a Dead in the same ways
	Traffic: Road in the same way as
	Aeroplane : Aerodrome
	Blood : Veins
	Roots : Tree
AIT4	Car : Garage
12	The following information is given; One of M. Coni, his wife, their son and Mr. Coni's mother is an architect and
13	The following information is given: One of M.Gopi, his wife, their son and Mr.Gopi's mother is an architect and another is a doctor.
	(i) If the doctor is younger than the architect, then the doctor and the architect are not blood relatives.
	(ii) If the doctor is a woman, then the doctor and the architect are blood relatives.
	(iii) If the architect is a man, then the doctor is a man.
	Whose occupation is known by this information?
	vinose occupation is known by this information:
Alt1	Mr. Gopi is the doctor
Alt2	Mr. Gopi's son is the architect
Alt3	
Alt4	

14	Gopal was ranked 5th from the top and 16th from the bottom in a test. How many students were there in his
	class
Alt1	19
Alt2	21
Alt3	22
Alt4	20
15	Median of 10o, 5o, -2o, -1o, -5o, 15o is
Alt1	-20
Alt2	-10
Alt3	
Alt4	30
16	Which of the following is 'OXYMORON'?
Alt1	Found Missing
Alt2	TIT-TAT
Alt3	бото
Alt4	Misunderstood
17	There are 5 persons in a class. Each one is shaking hand with the other. Find the total number of hand shakes?
Alt1	5
Alt2	10
Alt3	20
Alt4	60
•	
18	Of the 26 Capital letters, how many are symmetrical along with vertical and horizontal axes.
Alt1	4
Alt2	3
Alt3	6
Alt4	5
19	There are 30 boys and 60 girls in a village . There are 70 men and 40 women in that village. What is the
	percentage of boys in that village?
Alt1	
	0.25
Alt3	
Alt4	0.15
20	There are Nicturdents in a class and only 9 of them are girls. If 11 hous added to the class how many students in
20	There are N students in a class and only 8 of them are girls. If 11 boys added to the class, how many students in
Alt1	the class are boys?
Alt1	
AIt3	N-19

Alt4	19	
21	Final product of anaerobic respiration is:-	
Alt1	Methanol	
Alt2	Pyruvate	
Alt3	Ethanol	
Alt4	Starch	
22	Which Kingdom is the oldest in evolutionary terms?	
	Monera	
Alt2	Protista	
Alt3	Fungi	
	Animals	
23	The progressive series of changes that eventually produce a climax community on what was once a bare rocky	
	island is an example of:-	
	Primary succession	
	Evolution	
	Restoration	
	Secondary succession	
24	A relationship in which two species benefit is called:-	
	Mutualism	
	Altruism	
Alt3	Commensalism	
Alt4	Amensalism	
25	Viruses contain:-	
Alt1	Ribosomes	
Alt2	Chloroplasts	
Alt3	Either DNA or RNA	
Alt4	Only RNA	
26	26 Which is the best biological indicator of SO2 pollution?	
Alt1	Pteridophytes	
Alt2	Bryophytes	
Alt3	Lichens	
Alt4	Viruses	
27	Which of the following do not possess a flagella?	
Alt1	Trypanosoma	
Alt2	Amoeba	
Alt3	Paramecium	
Alt4	Euglena	
<u></u>		

28 Suppose out of 150 students in a class, 25 have green eyes. What would be the frequency of green eyed

students in a class:-

Alt1	0.33
Alt2	0.25
Alt3	0.16
Alt4	0.5
29	What is a biodiversity hotspot?
	Regions with high levels of biodiversity
	Regions with large numbers of endangered species
	Regions with high proportion of endemic species
Alt4	High biodiversity, endemicity and endangerment
	Extinct bird of Mauritius island:-
	Heuglins gull
	Dodo Malaakita ayakind
	Malachite sunbird Fairy tern
Alt4	rally term
31	The transition zone between two vegetation types is called:-
	Ecosphere
	Ecotone
	Ecotype
	Ecosystem
32	A lichen is composed of:-
Alt1	Algae and fungi
Alt2	Fungi
Alt3	Fungi and Bacteria
Alt4	Algae and bacteria
ļ-	
	Endophytes are found in:-
	Ocean
	Plants
	Tundra Nimuses
Alt4	Viruses
3/1	The major pollutant from automoblie exhaust is:-
	Soot
	SO2
Alt3	
Alt4	
35	Organisms reproducing once in life time are respectively referred in plants and animals as:-
	Monocarpic & semelparous
Alt2	Polycarpic & iteroparous
	Monophyletic & polyphyletic
Alt4	Viviparous & semelparous

36	Photosynthesis takes place faster in:-
Alt1	Yellow light
Alt2	Red light
Alt3	Darkness
Alt4	White light
37	How many biodiversity hotspots lie within Indias territory?
Alt1	Four
Alt2	Three
Alt3	One
Alt4	Two
38	Which is the largest mammal?
Alt1	Giraffe
Alt2	Dugong
Alt3	Blue Whale
Alt4	African elephant
39	What is Raunkiaer known for?
Alt1	Angiosperm classification
Alt2	Quadrat sampling methods
Alt3	Biodiversity studies
Alt4	Life form analyses for vegetation
40	Microbiology is concerned with the study of:-
Alt1	Electron microscopy
Alt2	Microorganisms
Alt3	Life on earth
Alt4	Macroorganisms
41	Mad cow disease is caused by:-
Alt1	A class of mycobacterium
Alt2	A prion
Alt3	A RNA virus
Alt4	A DNA virus
42	The effects of radioactive pollutants depends upon:-
Alt1	energy releasing capacity
Alt2	Rate of diffusion
Alt3	rate of deposition of the contaminant
Alt4	All of the above
43	Plants absorb dissolved nitrates from soil and convert them into:-
Alt1	Ammonia
Alt2	Free nitrogen
	The managem
Alt3	Nitrite

44	The first formed cells were:-
Alt1	Saprotrophs
Alt2	Viruses
Alt3	Photoautotrophs
	Chemoautotrophs
45	The competitive exclusion principle expounded by Gause was for:-
	Mice
	Protozoans
	Birds
	Plants
7110-1	Tiunto
16	The most abundant element present in a plant is:-
-	Carbon
	Protein
	Nitrogen
	lodine
AIL4	loaine
47	Lond relication.
	Lead poisoning:-
	Has no impact
-	Reduces O2 carrying capacity in blood
	Increases O2 carrying capacity in blood
Alt4	Affects kidneys
	Which one of the following is a major constituent of Biogas?
	Nitrogen dioxide
	Carbohydrates
	Hydrogen
Alt4	Methane
49	Anemophily & Chiropterophily respectively refer to:-
Alt1	Seed dispersal by wind & insects
Alt2	Pollination by winds & bats
Alt3	Pollination by animals & water
Alt4	Seed dispersal by bats & baboons
50	Laws of thermodynamics deal with the process of:-
Alt1	How heat is transformed into other forms like mechanical energy
Alt2	How heat is conducted in metals
Alt3	How heat is used by animals
	How heat is radiated
51	What is an endangered species?
	Species that are utilized by people
	Species that cause harm to humans
	Species that are in danger of extinction
AU 1	

Alt4 None of the above
52 Which of these species is a primary consumer:-
Alt1 Deer
Alt2 Tiger
Alt3 Mushroom
Alt4 Banyan tree
53 Which of these is the Hardy-Weinberg equation?
Alt1 p+ 2pq + q = 0
Alt2 p2 + 2pq+q2 = 0
Alt3 p+q = 1
Alt4 $p2 + 2pq + q2 = 1$
7114 pz + 2pq+qz - 1
E4 What is biomagnifications:
54 What is biomagnifications:-  Alt1 Increase in accumulation of toxins in liver
Alt1 Increase in accumulation of toxins in liver  Alt2 Increase in acid rain
Alt3 Accumulation of pollutants in tissues of organisms at highetrophic levels
Alt4 Decrease in minerals
55 Which are the direct modern day descendants of the dinosaurs?
Alt1 Reptiles
Alt2 Crocodiles
Alt3 Birds
Alt4 All vertebrates
56 Deforestation reduces and increases
Alt1 N uptake & photosynthesis
Alt2 CO2 uptake in photosynthesis, & global warming
Alt3 O2 uptake in respiration & guttation
Alt4 P uptake & transpiration
57 Nitrosomonas and Nitrobacter are:-
Alt1 Nitrifying bacteria
Alt2 Denitrifying bacteria
Alt3 Nitrogen fixing bacteria
Alt4 Saprophytic fungi
a land an Addition.
58 According to the second law of thermodynamics energy:-
Alt1 Decreases entropy
Alt2 Increases entropy
Alt3 Can neither be created nor destroyed
Alt4 Can be destroyed
AIL4 Call be destroyed
TO A high Dialogical Owners Demond (DOD) is disabled that
59 A high Biological Oxygen Demand (BOD) indicates that:-
Alt1 Low level of microbial pollution
Alt2 water is pure

Alt3	High level of microbial pollution
Alt4	absence of microbial action
60	What is the percentage of energy transferred from one feeding level of the energy pyramid to the just above it
	is?
Alt1	
	0.00001
Alt3	
Alt4	
Alt4	0.01
61	Hydrochory refers to:-
	Seed dispersal by water
	Pollination by water
	Absorption of water
Alt4	Elimination of water
	Which of these birds is NOT a migrant?
	Bar Headed Goose
	Red Wattled Lapwing
Alt3	Siberian Crane
Alt4	Arctic Tern
63	The study of life in outer space is known as:-
Alt1	Endobiology
Alt2	Astronomy
Alt3	Exobiology
	Astrology
64	The use of plants to degrade the environmental pollutants or to prevent pollution through waste water
	treatment is known as:-
	Phyto-detoxification
	Oxygenation
	Nitrification
	Phyto-remediation
AIL4	Phyto-remediation
C.F.	Causes of acceptal callution includes
	Causes of coastal pollution include:-
	Oil-extraction, aquaculture, agriculture
	Oil-spills, effluents, solid dumps
	Under-utility of fishery resources
Alt4	Over- exploitation of fishery resources
66	The largest belt of rain forest is found in:-
Alt1	Congo Basin
Alt2	Irrawaddy Basin
Alt3	Amazon basin
Alt4	Gangetic basin

67	
	Name the scientist who developed the binomial nomenclature for species:-
	Mendel
	Aristotle
	Charles Darwin
Alt4	Linnaeus
1	
	Plants that grow in saline water are called:-
	Hydrophytes
	Halophytes
	Mesophytes
Alt4	Thallophytes
	The concept that 'population tends to increase geometrically while food supply increases arithmetically was put
	forward by:-
Alt1	Adam Smith
	Stuart Mill
Alt3	Charles Darwin
Alt4	Thomas Malthus
	Who received Noble Prize for working out the early carbon pathway of?
	Calvin
Alt2	Khorana
Alt3	Watson
Alt4	Krebs
71	High photosynthetic activity is seen in:-
Alt1	Bryophytes
Alt2	Angiosperms
Alt3	Algae
Alt4	Fern
	Zero population growth is when:-
	Natality is greater than mortality
	Fecundity is greater than mortality
	Natality is equal to mortality
Alt4	Natality is less than mortality
	The network of food chains in an ecosystem is a:-
	Tree of life
	Trophic pyramid
	Food web
Alt4	Web of Life
	Approximately how many people are there on earth now:-
	About 2 billion
	More than 10 billion
Alt3	About 7 billion

Alt4 Over 20 million
75 Invasive mosquito in India:-
Alt1 Anopheles stephensii
Alt2 Anopheles culicifacies
Alt3 Culex quinquefasciatus
Alt4 Aedes aegypti
<u> </u>
76 Morphological evidences of organic evolution are explained primarily on:-
Alt1 Development
Alt2 Fossils
Alt3 Homology
Alt4 Blood tests
· · · · · · · · · · · · · · · · · · ·
77 The number of children an average woman would bear in her life time is termed the:-
Alt1 Net reproductive Rate
Alt2 Replacement level Fertility
Alt3 Fecundity
Alt4 Total Fertility rate
78 Hormone causing leaf fall in plants:-
Alt1 Ethylene
Alt2 Abscissic Acid
Alt3 Auxins
Alt4 Gibberlins
79 Synapsis is the pairing of:-
Alt1 Paralogous chromosomes
Alt2 Analogous chromosomes
Alt3 Homologous chromosomes
Alt4 Non Analogous chromosomes
80 In a marine ecosystem which of these is a producer:-
Alt1 Corals
Alt2 Fungi
Alt3 Fishes
Alt4 Algae
1 <del></del>
81 What is the key feature of a biological community:-
Alt1 Mortality
Alt2 Stratification
Alt3 Natality
Alt4 Fecundity
82 Who described structure of the DNA:-
Alt1 Watson and Crick
Alt2 Hardy and Weinberg
יונבן וומוסץ מוום שיכוווטכוק

Alt3	Darwin and Wallace
Alt4	Mendel and Curie
83	The carrying capacity of a population is determined by its :-
	Limiting resources
	Mortality
	Natality
	Population growth rate
All4	ropulation growth rate
0.4	A manufation is defined as
	A population is defined as:-
	Individuals of a species living in a particular area
	Individuals of a single species
	A set of species
Alt4	Individuals living in a particular area
85	Significance testing is based on the following principles:-
Alt1	Nullification
Alt2	Evaluation
Alt3	Falsification
Alt4	Verification
86	What is the symbol for Pi:-
Alt1	
Alt2	
Alt3	
Alt4	≠
	Konrad Lorenz is known for describing:
Alt1	Genetic divergence
Alt2	Mitosis
Alt3	Stereotypy
Alt4	Imprinting
88	Which of the following is not surrounded by a double membrane in eukaryotes?
	Mitochondria
Alt2	The nucleus
	The cell
	Chloroplast
7.111	
QΩ	If there is a probability of 5% in how many cases would a result arise solely due to chance:-
	10/100
	5/100
	50/50
Alt4	0.0005
	Nuclear DNA sends information for protein synthesis through:-
Alt1	rRNA

Alt2	mRNA
Alt3	trna
Alt4	Enzymes
91	The binomial distribution is used with:-
Alt1	Binary continuous variables
Alt2	Binary count variables
Alt3	Continuous random variables
Alt4	Discrete random variables
92	To describe the most useful number of eggs in a clutch of Ostrich eggs you would use:-
Alt1	Geometric mean
Alt2	The arithmetic mean
Alt3	The median
Alt4	The mode
93	Find the value of x; if $x = (2 \times 3) + 11$ :-
Alt1	192
Alt2	17
Alt3	21
Alt4	55
_	
94	The circumference of a circle is 72 cm. What would be its diameter:-
Alt1	41.1 cm
Alt2	36 cm
Alt3	11.4 cm
Alt4	22.9 cm
95	The first birds evolved in the:-
Alt1	Palaeocene
Alt2	Triassic
Alt3	Jurassic
Alt4	Cretaceous
96	Two numbers are in ratio 4:5. If the sum of the numbers is 135, find the numbers:-
Alt1	65 and 75
Alt2	60 and 75
Alt3	50 and 65
Alt4	70 and 95
97	Separation of proteins by gel electrophoresis is called:-
Alt1	Eastern blot
Alt2	Western blot
	Northern blot
Alt4	Southern blot
98	What did the famous Russian ethologist Pavlov demonstrate?

Alt1	Stereotypic behavior
Alt2	Classical conditioning
Alt3	Intuition
Alt4	Imprinting

99	T-lymphocytes are formed in:-
Alt1	Liver
Alt2	Yolk
Alt3	Spleen
Alt4	Bone marrow

100	What organism did Konrad Lorenz work on?
Alt1	Arabdopsis
Alt2	Geese
Alt3	Drosophila
Alt4	Escherichia coli



Examination: M.Sc. Ecology and Environmental Sciences	
Section 1 - Section 1	
Question No.1  EIA is related to  © Environmental impact activities © Environmental and industrial activities © Environmental impact assessment © Environmental internal activities	4.00 Bookmark □
Question No.2  Absorbed wavelengths in atomic absorption spectrum appear as  C Dark lines C Light background C Dark background C Light lines	4.00 Bookmark
Question No.3  Which of the following can be threats to the biodiversity of a geographical area  Global warming Invasion of Alien species Fragmentation of habitat Promotion of vegetarianism	4.00 Bookmark □
Question No.4  (A) (B) (C) (D)  C D  C B  C C  C A	4.00 Bookmark ☐
Question No.5  BOD/COD ratio will always be	4.00 Bookmark

Question No.6	4.00
Lichens growing on rocks are called	Bookmark □
C Lignicoles	
© Tervicoles	
○ Saxicoles	
© Corticoles	
Conticoles	
Question No.7	4.00
Which of the following is not a marine pollutant?  © Plastics	Bookmark □
C Dissolved oxygen	
Oil	
○ All of the above	de
Question No.8	4.00
Question 110.0	Bookmark □
Which is concerned with conservation of forests	
○ Kaziranga	
C Silent valley	
○ Gir	
O Ghana	
Question No.9	4.00
Question No.9  Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona Atropabelladona	4.00 Bookmark
Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona	
Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona Atropabelladona  Question No.10  When huge amount of sewage is dumped into a river, its B.O.D. will Remain unchanged	Bookmark □
Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona Atropabelladona  Question No.10  When huge amount of sewage is dumped into a river, its B.O.D. will Remain unchanged Increase	Bookmark  4.00
Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona Atropabelladona  Question No.10  When huge amount of sewage is dumped into a river, its B.O.D. will Remain unchanged Increase Decrease.	Bookmark  4.00
Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona Atropabelladona  Question No.10  When huge amount of sewage is dumped into a river, its B.O.D. will Remain unchanged Increase	Bookmark  4.00
Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona Atropabelladona  Question No.10  When huge amount of sewage is dumped into a river, its B.O.D. will Remain unchanged Increase Decrease.	Bookmark  4.00 Bookmark  4.00
Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona Atropabelladona  Question No.10  When huge amount of sewage is dumped into a river, its B.O.D. will Remain unchanged Increase Decrease. Slightly decrease	Bookmark
Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona Atropabelladona  Question No.10  When huge amount of sewage is dumped into a river, its B.O.D. will Remain unchanged Increase Decrease. Slightly decrease	Bookmark  4.00 Bookmark  4.00
Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona Atropabelladona  Question No.10  When huge amount of sewage is dumped into a river, its B.O.D. will Remain unchanged Increase Decrease. Slightly decrease  Question No.11  COHb stands for	Bookmark  4.00 Bookmark  4.00
Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona Atropabelladona  Question No.10  When huge amount of sewage is dumped into a river, its B.O.D. will Remain unchanged Increase Decrease. Slightly decrease  Question No.11  COHb stands for Carbonmonooxide	Bookmark
Quinine is obtained from bark of  Magniferaindica Cinchona Cedrellatoona Atropabelladona  Question No.10  When huge amount of sewage is dumped into a river, its B.O.D. will Remain unchanged Increase Decrease. Slightly decrease  Question No.11  COHb stands for Carbonmonooxide Carbonmonooglobin	Bookmark  4.00 Bookmark  4.00

	4.00
Choose the best synonym of the italicized word.	Bookmark □
Each one of us is the subject of <i>derision</i> at some time or the other in our life.	
© criticism	
ℂ laughter	
© irony	
O ridicule	
Question No.13	4.00 Bookmark □
In gel electrophoresis fragments are separated on basis of	
○ Size	
○ Charge	
© Both A&B	
Question No.14	4.00
	Bookmark □
Choose the correct meaning of the italicized idiom.  Sheela's work seems to be a <i>Penelope's web</i> .	
O Declining	
o Difficult	
O In her best form	
© Endless	
Question No.15	4.00
	4.00 Bookmark □
Which era is counted as the age of Mammals	
Which era is counted as the age of Mammals  © Palaeozic	
Which era is counted as the age of Mammals  Palaeozic Archeozoic	
Which era is counted as the age of Mammals  Palaeozic Archeozoic Cenozoic	
Which era is counted as the age of Mammals  Palaeozic Archeozoic	
Which era is counted as the age of Mammals  Palaeozic Archeozoic Cenozoic	
Which era is counted as the age of Mammals Palaeozic Archeozoic Cenozoic Mesozoic	Bookmark <u></u> □
Which era is counted as the age of Mammals Palaeozic Archeozoic Cenozoic Mesozoic  Question No.16 In coming years, skin related disorders will be more common due to	Bookmark
Which era is counted as the age of Mammals Palaeozic Archeozoic Cenozoic Mesozoic  Question No.16  In coming years, skin related disorders will be more common due to Water pollution	Bookmark
Which era is counted as the age of Mammals Palaeozic Archeozoic Cenozoic Mesozoic  Question No.16  In coming years, skin related disorders will be more common due to Water pollution pollutants in air	Bookmark
Which era is counted as the age of Mammals Palaeozic Archeozoic Cenozoic Mesozoic  Question No.16  In coming years, skin related disorders will be more common due to Water pollution	Bookmark
Which era is counted as the age of Mammals Palaeozic Archeozoic Cenozoic Mesozoic  Question No.16  In coming years, skin related disorders will be more common due to Water pollution pollutants in air	Bookmark
Which era is counted as the age of Mammals	4.00 Bookmark
Which era is counted as the age of Mammals Palaeozic Archeozoic Cenozoic Mesozoic  Question No.16  In coming years, skin related disorders will be more common due to Water pollution pollutants in air Depletion of ozone layer	Bookmark
Which era is counted as the age of Mammals	4.00 Bookmark   4.00 Bookmark   4.00 Bookmark
Which era is counted as the age of Mammals  Palaeozic Archeozoic Cenozoic Mesozoic  Question No.16  In coming years, skin related disorders will be more common due to Water pollution pollutants in air Depletion of ozone layer use of detergents  Question No.17	4.00 Bookmark   4.00 Bookmark   4.00 Bookmark
Which era is counted as the age of Mammals  Palaeozic Archeozoic Cenozoic Mesozoic  In coming years, skin related disorders will be more common due to Water pollution pollutants in air Depletion of ozone layer use of detergents  Question No.17  The amount of living material in different trophic levels in a component population is known	4.00 Bookmark   4.00 Bookmark   4.00 Bookmark
Which era is counted as the age of Mammals	4.00 Bookmark   4.00 Bookmark   4.00 Bookmark
Which era is counted as the age of Mammals  Palaeozic Archeozoic Cenozoic Mesozoic  Mesozoic  In coming years, skin related disorders will be more common due to Water pollution pollutants in air Depletion of ozone layer use of detergents  Question No.17  The amount of living material in different trophic levels in a component population is known Functional kingdom Ecological niche	4.00 Bookmark   4.00 Bookmark   4.00 Bookmark

Question No.18 4.00
Bookmark ☐ The system resulting from the integration of all the living and non-living factors of the environment who proposed this regarding ecosystem  C Karl mobius  Friederichs  A.G Tansley  V.V Dokychaev
Question No.19 4.00 Bookmark □
Study the following information carefully and answer the question below it
The Director of an MBA college has decided that six guest lectures on the topics of Motivation, Decision Making, Quality Circle, Assessment Centre, Leadership and Group Discussion are to be organised on each day from Monday to Sunday.  (i) One day there will be no lecture (Saturday is not that day), just before that day Group Discussion will be organised.  (ii) Motivation should be organised immediately after Assessment Centre.  (iii) Quality Circle should be organised on Wednesday and should not be followed by Group Discussion  (iv) Decision Making should be organised on Friday and there should be a gap of two days between Leadership and Group Discussion  How many lectures are organised between Motivation and Quality Circle?  C Three  Four  Two  One
Question No.20 4.00
Choose the missing term: 3F,6G,11I,18L, ?  © 27O  © 28Q  © 27P  © 26N
Question No.21 4.00
Bookmark ☐ It takes eight hours for a 600 km journey, if 120 km is done by train and the rest by car. It takes 20 minutes more, if 200 km is done by train and the rest by car. The ratio of the speed of the train to that of the cars is:  ○ 1:4  ○ 1:2  ○ 3:4  ○ 2:3

Question No.28	4.00
With reference to Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD), consider the following statements	Bookmark
BOD is a measurement of consumed oxygen by aquatic microorganisms to decompose o matter.	rganic
2. COD refers to the requirement of dissolved oxygen for the oxidation of organic constituents Which of the statements given above is/are correct?  © 2 only  © Both 1 and 2  © 1 only  © Neither 1 nor 2	s.
Question No.29	4.00
Secondary pollutants are more potent than primary pollutant due to the phenomenon of  Synthesis  Degradation  Condensation  Synergism	Bookmark □
Question No.30	4.00 Bookmark
Chromatography is used to separate  Molecules  Atoms  Solution  Mixtures	DOOKINAIK [ ]
Question No.31	4.00
Which of the following blood group is a universal recipient  B CO AB	Bookmark □
	4.00 Bookmark □
Which of the following evidences support the theory of gradual rise in air temperature and couglobal warming?	nsequent
<ol> <li>Spreading of tropical diseases towards temperate regions.</li> <li>Downward shifting of snow lines of tropical mountains.</li> <li>Freezing of permafrost areas.</li> <li>Select the correct answer using the codes given below.</li> <li>1 only</li> <li>2 and 3 only</li> <li>1 and 3 only</li> <li>1 and 2 only</li> </ol>	

Question No.33	4.00
Diagon is principally a pointing of	Bookmark □
Biogas is principally a mixture of  © Ethanol and Hydrogen	
Methane and Ethylene	
© Butane and Oxygen	
Methane and Hydrogen	
- Modalite and Hydrogon	
Question No.34	4.00
la which atmospheric zone, ozone lever eviet	Bookmark □
In which atmospheric zone, ozone layer exist  lonosphere	
© Troposphere	
© Stratosphere	
© Thermosphere	
Question No.35	4.00
Origin of new species and genera is	Bookmark □
Co- evolution	
○ Micro evolution	
○ Mega evolution	
© Macro evolution	
Question No.36	4.00
Which one of the following links biotic and abiotic components of the ecosystems	Bookmark □
O Biochemical structure	
C Phenotypic structure	
© Genotypic structure	
C All of the these	
Question No.37	4.00
	Bookmark □
The cell wall of fungi is composed of	
C Cellulose	
Cutin Chitin	
C Hemicellulose	
Question No.38	4.00
	Bookmark <b>□</b>
Recyclable plastics is	
C LDPE	
© Polyurethane foam	
○ Nylon	
C Poly carbonate	

Question No.39	4.00
Record on the given information, answer the following question	Bookmark □
Based on the given information, answer the following question.  1. Six friends P,Q,R,S,T and U are memebers of a club and play different games of Footba	ıll, Cricket,
Tennis, Basketball, Badminton and Volleyball	
<ol> <li>T who is taller than P and S plays Tennis.</li> <li>The tallest among them plays Basketball.</li> </ol>	
4. The Shortest among them plays volleyball.	
5. Q and S neither play Volleyball nor Basketball.	
R plays Volleyball     T is between Q who plays Football and P in order of height	
7. This between Q who plays I dotball and Fill order of height	
What does S Play?	
O Cricket	
© Badminton	
© Either Cricket or Badminton	
None of the above	
Question No.40	4.00
	Bookmark □
Which of the following statements is/are correct with regard to Ozone Depletion	
1 Ozone hole is measured in terms of ozone concentrations, which is expressed in Dobsor 2 The major cause for Ozone Depletion is the presence of CFCs in stratosphere – CFCs a	
man made and not found naturally.	
O 1 only	
O 2 Only	
© Both A&B	
O None	
Question No.41	4.00
Question No.41	Bookmark □
Trophic structure and function of successive trophic levels i.e producers, herbivores, and ca	rnivores
may be shown graphically by means of	
C Rights component	
Biotic component     Factorized purposid	
C Netural accounts	
Natural ecosystem	
Question No.42	4.00
	Bookmark □
Micro consumers an popularly known as	
Secondary consumer	
O Primary consumer	
<ul><li>Decomposers</li><li>Tertiary consumer</li></ul>	
C remary consumer	
Question No.43	4.00
Tendency of pollutants to became concentrated in successive trophic levels is knownas	Bookmark
© Biopiracy	
© Bioremediation	
© Biomagnification	
© Biorhythm	
© Biorhythm	
© Biorhythm	

Question No.44	4.00
Competition for light, nutrients and space is most severe between	Bookmark □
Competition for light, nutrients and space is most severe between Closely related organisms growing in the same area/niche	
Distantly related organisms growing in the same habitat	
, , , , ,	
<ul> <li>Distantly related organisms growing in different niches. (1988)</li> <li>Closely related organism growing in different niches</li> </ul>	
Closely related organism growing in unlerent niches	
Question No.45	4.00
	Bookmark □
Phytochelatin, a protein is found in roots of	
O Plants growing in saline water	
O Plants growing in non - metal polluted water	
O Plants growing in metal polluted water	
Plants growing in icy water	
Question No.46	4.00
	Bookmark □
Which percent of area in the planet should be under forest	
C 17%	
C 33%	
C 21%	
C 25%	
Question No.47	4.00
	Bookmark □
Ramesh had a cold and couldn't go to the party, so I bought him a cake to make up for his_	
O disillusion	
O disgust	
C disappointment	
O depression	
Question No.48	4.00
	Bookmark □
The last community in a succession is called	
C Climax community	
© Seral community	
© Ecotone	
© Ecosystem	
Question No.49	4.00
	Bookmark □
Find out the missing term:	
1, 2, 3, 6, 11, 20, 37, 68, ?	
© 126	
0 105	
O 125	
0 124	
- · <del>-</del> ·	

Question No.50	4.00
Which of the following may be upright (or) inverted depending on the nature of the food cha particular ecosystem	Bookmark □ in in the
© Pyramid of number	
© Pyramid of energy	
© Pyramid of biomass	
© Both A&B	
Question No.51	4.00
Question No.31	Bookmark [
Red data book is maintained by	
○ MAB	
O WCU	
O IBWL	
CUNDP	
Question No.52	4.00
	Bookmark □
Abiotic is a	
C Living component	
O Non- living component	
O Both A&B	
None of the above	
Question No.53	4.00
	4.00 Bookmark □
The cryopreservation is	
The cryopreservation is  • Preservation at very low temperature	
The cryopreservation is  Preservation at very low temperature Preservation through exposure to irradiation	
The cryopreservation is  Preservation at very low temperature  Preservation through exposure to irradiation  Preservation of living beings in chemicals	
The cryopreservation is  Preservation at very low temperature  Preservation through exposure to irradiation	
The cryopreservation is  Preservation at very low temperature  Preservation through exposure to irradiation  Preservation of living beings in chemicals	Bookmark  4.00
The cryopreservation is  O Preservation at very low temperature O Preservation through exposure to irradiation O Preservation of living beings in chemicals O Preservation through use of gases  Question No.54	Bookmark □
The cryopreservation is	Bookmark  4.00
The cryopreservation is  Preservation at very low temperature Preservation through exposure to irradiation Preservation of living beings in chemicals Preservation through use of gases  Question No.54  Movement of minerals in plant roots through diffusion is Osmosis	Bookmark  4.00
The cryopreservation is	4.00 Bookmark  4.00
The cryopreservation is  Preservation at very low temperature Preservation through exposure to irradiation Preservation of living beings in chemicals Preservation through use of gases  Question No.54  Movement of minerals in plant roots through diffusion is Osmosis Active absorption Endosmosis Passive absorption  Question No.55	4.00 Bookmark  4.00 Bookmark  4.00
The cryopreservation is  Preservation at very low temperature Preservation through exposure to irradiation Preservation of living beings in chemicals Preservation through use of gases  Question No.54  Movement of minerals in plant roots through diffusion is Osmosis Active absorption Endosmosis Passive absorption  Question No.55  The human activity, among the following, which causes maximum environmental pollution have	4.00 Bookmark  4.00 Bookmark  4.00 Bookmark
The cryopreservation is  Preservation at very low temperature Preservation through exposure to irradiation Preservation of living beings in chemicals Preservation through use of gases  Question No.54  Movement of minerals in plant roots through diffusion is Osmosis Active absorption Endosmosis Passive absorption  Question No.55	4.00 Bookmark  4.00 Bookmark  4.00 Bookmark
The cryopreservation is  Preservation at very low temperature Preservation through exposure to irradiation Preservation of living beings in chemicals Preservation through use of gases  Question No.54  Movement of minerals in plant roots through diffusion is Osmosis Active absorption Endosmosis Passive absorption  Question No.55  The human activity, among the following, which causes maximum environmental pollution have regional and global impact, is	4.00 Bookmark  4.00 Bookmark  4.00 Bookmark
The cryopreservation is  Preservation at very low temperature Preservation through exposure to irradiation Preservation of living beings in chemicals Preservation through use of gases  Question No.54  Movement of minerals in plant roots through diffusion is Osmosis Active absorption Endosmosis Passive absorption  Question No.55  The human activity, among the following, which causes maximum environmental pollution have regional and global impact, is Agriculture	4.00 Bookmark  4.00 Bookmark  4.00
The cryopreservation is  Preservation at very low temperature Preservation through exposure to irradiation Preservation of living beings in chemicals Preservation through use of gases  Question No.54  Movement of minerals in plant roots through diffusion is Osmosis Active absorption Endosmosis Passive absorption  Question No.55  The human activity, among the following, which causes maximum environmental pollution have regional and global impact, is Agriculture Ourbanization	4.00 Bookmark  4.00 Bookmark  4.00 Bookmark
The cryopreservation is  Preservation at very low temperature Preservation through exposure to irradiation Preservation of living beings in chemicals Preservation through use of gases  Question No.54  Movement of minerals in plant roots through diffusion is Osmosis Active absorption Endosmosis Passive absorption  Question No.55  The human activity, among the following, which causes maximum environmental pollution have regional and global impact, is Agriculture Urbanization Industrialization	4.00 Bookmark  4.00 Bookmark  4.00 Bookmark

Question No.56	4.00
	Bookmark
Word Environment Day is celebrated every year on	
○ 18th July	
○ 5th June	
○ 5th May	
C 5th July	
Question No.57	4.00
	Bookmark □
Word Environment is derived from	DOOKIIIAIK [_
© English	
C Italy	
© German	
© French	
O FIGURE	
	100
Question No.58	4.00 Bookmark □
Both partners are beneficially associated in an obligatory fashion is	
O Parasitism	
© Commensalism	
○ Mutualism	
O Ammenslism	
5 / Willing Foliation	
Question No.59	4.00
	4.00 Bookmark
Based on the information given, answer the below question.	
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Question No.61	4.00
Who proposed energy flow diagram of root spring	Bookmark
© Teal	
© E.P.Odum	
C H.T. Odum	
C A.G. Tansley	
Question No.62	4.00
Question No.02	Bookmark □
X-ray diffraction fails to detect the presence of substances	
C Containing a high concentration of carbon	
C Comprosing elements with two or more isotopes	
C Containing a magnetic field	
Comprising less than 5 percent of the mixture	
Question No.63	4.00
	Bookmark □
What type of radiation is trapped on the earth's surface by the green house effect?	
O UV rays	
O X-rays	
O ? –rays	
○ IR rays	
Question No.64	4.00
Which of the following countries suffer from the acid rains	Bookmark □
C Canada	
© Germany	
○ Norway	
○ France	
	1.00
Question No.65	4.00 Bookmark □
What is the name of an instrument used to measure the absorbance of a colored compound	
solution	
O Calorimeter	
Coulometer	
Colourmeter	
© Colorimeter	
Question No.66	4.00
Which of the following categories of worms are preferred in commercial Vermicomposting	Bookmark
© Anecic	
© Endogeic	
© Epigeic	
C All of these	

Question No.67	4.00
Which one of these is an example of ex – situ conservation	Bookmark <u></u>
National park	
○ Sacred groove	
Wildlife Sanctuary	
○ Seed bank	
Question No.68	4.00
is a biodiversity hotspot in India	Bookmark □
© Eastern Ghats	
○ Sunderban	
○ Gangetic basin	
○ Western Ghats	
Question No.69	4.00
MILL 611 6 11 11 11 11 11 11 11 11 11 11 11	Bookmark □
Which of the following nitrogenous base is not found in DNA  Thymine	
O Adenine	MA
O Guanine	
O Uracil	
Question No.70	4.00
	Bookmark □
The dehiscence of moss capsule takes place by the rapture of the following Calyptra	
O Peristome	
© Operculum	
O Annulus	
Question No.71	4.00
	Bookmark □
Bentham and Hooker in their "Genera Plantarum" proposed the classification of	
<ul><li>Tracheophytes</li><li>Angiosperms</li></ul>	
O Plant kingdom	
© Phanerogames	
Question No.72	4.00
Question No.72	4.00 Bookmark
Assertion: - India's president is appointed on a five-year term	
Reason: -PratibhaPatil was appointed as India's first woman president in 2007	
○ Both A and R are true and R is not the correct explanation of A	
○ A is false but R is true	
C A is true but R is false	
○ Both A and R are true and R is the correct explanation of A	

Question No.73	4.00 Bookmark
Resin, timber and pulp yielding plant is	DOOKIIIAIK [_
୍ Dalbergia	
O Qurcus	
○ Eucalyptus	
○ Pinus	
Question No.74	4.00 Bookmark
The species with thin population confined within restricted area is known as	вооктагк []
C Threatened	
○ Foundation species	
© Endangered	
○ Rare	
Question No.75	4.00
Identify the underlined part of speech:	Bookmark
Sorry, I don't know any <u>foreign</u> languages	
C pronoun	
○ adverb ○ adjective	
O noun	
1104.11	
Abiotic environment does not include  Plants  Air  Soil  Water	4.00 Bookmark ☐
Question No.77	4.00
The pollution which does not persistent harm to life supporting system is	Bookmark
© Noise pollution	
© Radiation pollution	
C Organochlorine pollution	
C All of these	
Question No.78	4.00
Winds must have a speed above miles/ hour to turn the turbines efficiently	Bookmark □
© 12	
◌ 25	
C 5	
○ 20	

Question No.79	4.00
	Bookmark □
The assemblage of all the populations of different species that function as an integral unmetable is transferred in a position area is called	nit through
metabolic transformation in a specific area is called  © Biotic community	
·	
© Biome	
© population	
© Ecosystem	
Question No.80	4.00
	Bookmark □
Basic unit of classification is	
○ Genus	
© Species	
○ Family/ Sub- species	
○ Order/ Variety	
Question No.81	4.00 Bookmark
Good restaurants serving pure vegetarian food are very hard to	DOOKIII II I
O get in	MA
© come by	
© go through	
C take to	
S take to	
Question No.82	4.00
	Bookmark □
Choose the correct meaning of the italicized idiom.	
Anil got me into trouble by giving a <i>false colour</i> to my statement.  © Giving good impression	
© Giving a wrong colour box	
C Giving a wrong character	
Colouring the sentence	
Question No.83	4.00
	Bookmark □
Soil conservation is	
C Erosion of soil	
C Aeration of soil	
<ul> <li>Protection against loss.</li> </ul>	
Conversion of sterile soil into fertile one	
Question No.84	4.00
	Bookmark □
The pyramid that cannot be inverted in a stable ecosystem is the pyramid of	
© Energy	
C Number	
© Biomass	
C All of these	

Question No.85	4.00 Bookmark □
Herbivores are also known as	DOOKIIIdIK [_
© Secondary consumer	
© Primary consumer	
C Tertiary consumer	
© Autotrophs	
Question No.86	4.00 Bookmark □
Abiotic is also called	DOOKIIIAIK [_
© Community	
© Population	
© Physical environment	
O Minerals	
- IVIII.O.G.IO	
Question No.87	4.00
Mulching helps in	Bookmark □
Moisture conservation	~ A/A A
Weed control	
Improvement of soil structure	
Improvement of som structure     Increase soil fertility	
U ilicrease son lerunty	
Question No.88	4.00
Which of the following groups of gases contribute to the Green House Effect	Bookmark □
Ammonia and Ozone	
C Corbon dioxide and methane	
C Corbontetrafluride and Nitrous oxide	
Corbon mono – oxide and sulphur di-oxide	
Goldon mono – oxide and salphar al-oxide	
Question No.89	4.00
	Bookmark
Transition zone between two ecosystems is	
© Ecocline	
© Ecosphere	
© Ecotone	
© Ecotype	
Question No.90	4.00
	Bookmark □
Citric acid fermentation is brought about by	
© Penicilliumcitrinum	
© Rhizopusnigricans	
C Lactobacillus bulgaricus	
C Aspergillus niger	

Question No.91	4.00 Bookmark □
Statements: Some bats are snakes, No snake is dangerous Conclusion:	
I. Some dangerous animals are snakes II. Some bats are not dangerous.	
<ul><li>If neither I nor II follows</li><li>If only conclusion I follows</li></ul>	
f only conclusion II follows	
○ If either I or II follows	
Question No.92	4.00 Bookmark □
The winged pollen grain is characteristic feature of Cycus	DOMING I
© Ephedra	
© Pinus	
© Gnetum	
Question No.93	4.00
Obtain the missing term.	Bookmark □
300, 296, 287, 271, ? , 210	
C 246 C 250	
c 244	
O None of the above	
Question No.94	4.00
Select the option which improves the underlined part of the sentences.	Bookmark □
The Prime Minister called on the President.  © in	
o to	
○ by	
○ No improvement	
Question No.95	4.00 Bookmark □
Distillation of wine is necessary because it	DOORHMIN _
<ul><li>increases duality</li><li>No action in nature of wine</li></ul>	
<ul> <li>No action in nature of wine</li> <li>Prevents further fermentation and spoilage of wine</li> </ul>	
C Decreases toxicity	

Choose the best antonym of the italicized word. Ravi and Raghu are really obstinate men.  considerate friendly understanding compliant	4.00 Bookmark □
Question No.97  Biotic community which shows number of feeding connections is categorised as  O Pyramid of number	4.00 Bookmark
<ul><li>Tropic levels</li><li>Food web</li><li>Food chain</li></ul>	
Deforestration is the major causal agent of     Environmental pollution     Depletion of natural resources     Genetic erosion     Desertification of habitat	4.00 Bookmark □
Question No.99  Electro – chemical gradient theory of mineral salts absorption was proposed by  P. Mitchell  Pfeffer  Bennet Clark  Lundegardh	4.00 Bookmark
Question No.100  The largest amount of fresh water on planet is available in  Lakes and streams  Rivers  Undergrounds  Polar icecaps and glaciers	4.00 Bookmark