371 PU M Sc Ecology and Environmental Sciences

188	f 100 PU_2016_371_E od parasitism refers to:-
000	When different species are cheated into raising young of others
	When young are parasitized by Schistosomiasis
	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 ₂
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
O	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
201 Whi	of 100 PU_2016_371_E ch 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
0	Biomass
164 The	of 100 PU_2016_371_E ory of inheritance of acquired characters was put forward by:-
0	Bateson
	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:-	
CH_4	
Carbon dioxide	
[©] N₂O	
CO ₂ , CH₄ and N₂O	
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:-	
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
0	CO ₂ 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
000	Hertz
	Joule
	Watts
185 The	of 100 PU_2016_371_E largest mangrove area in India is:-
0	Gulf of Mannar
0	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 ₂ and O ₂
0	Rich in O ₂
0	Lacked CO ₂ and free O ₂ was present
0	Rich in CO ₂ and free O ₂ 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
62 of 100 256 PU_2016_371_M Which of the following play important role in Protein synthesis:-	
0	E.R
0	Mitochondria
0	Vacuoles
0	Ribosomes
63 of 100 257 PU_2016_371_M Kappa 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
0	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
0	Mountains
233 Whi	of 100 PU_2016_371_M ch continent is dominated by marsupial mammals:-
0	Laurasia
0	South America
0	Africa

o A	ustralia
A male the off	100 PU_2016_371_M e normal coloured tiger is bred to a female white tiger. Normal coat colour is a dominant trait. Two of fspring are white and two are normal coloured. What could be the reason:-
ОТ	he male is heterozygous for coat colour
ОТ	he gene is co-dominant and not dominant
° v	Vhite coat colour is a sex linked gene
ОВ	Both are heterozygous for coat colour.
The m	PU_2016_371_M nain role of soil bacteria:-
\sim	Decomposition
~ 5	Synthesize new proteins
	Causing infections to plants
В	Biomagnification
	T100 PU_2016_371_M logy deals with the study of:-
O A	Aquatic plants
° N	Vater
° s	Soil
° A	uir
Ozone	100 PU_2016_371_M e hole refers to:-
O In	ncrease in ozone in troposphere
° D	Decrease in thickness of ozone layer
Он	łole in ozone layer
° D	Decrease in ozone in troposphere
Which	t 100 PU_2016_371_M In is the animal symbol of the World Wide Fund for Nature (WWF):-
° P	Penguin
ОТ	iger

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	of 100 PU_2016_371_M erts, rain forests, tundra are example of:- Communities Ecosystems

0	Biosphere
	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 ⁻⁴ 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:-
0	Random sampling
0	Selective sampling
0	Nested sampling
	Total sampling
288	of 100 PU_2016_371_D angle that measures 90° is:-
0	A right angle
	A hypotenuse

0	An obtuse angle
0	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	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:-
0	Measure of aggregation
000	A parameter of dispersion
	A measure of central tendency
	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
~	5
~	-3
\cup	-8
95 of 100 261 PU_2016_371_D Balanced 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?
0	Neurotransmitter
0	Prokaryotic cell membrane
0	Insect moulting hormone
0	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
4000	3

° 1