PREVIEW QUESTION BANK

Module Name : Environmental Science - 72-ENG
Exam Date : 29-Jun-2024 Batch : 14:30-16:30

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	201	Movement of DNA from one bacterium to another through a tubular bridge or pilus: 1. Conjugation 2. Transposition 3. Transfection 4. Transduction A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
2	202	Which of the following is responsible for eliminating toxic oxygen by-products from cells? 1. Mitochondria 2. Golgi complex 3. Peroxisomes 4. Chloroplasts A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
3	203	A form of multiple parasitism in which a parasite preferentially attacks a host that is already parasitized by another species is known as 1. Cleptoparasitism 2. Ectoparasitoid 3. Obligate parasitism 4. Superparasitism A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
4	204	For mass multiplication of DD-136 nematode, the common host used is 1. Silk moth 2. Fruit sucking moth 3. Codling moth 4. Lesser wax moth A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
5	205	Chlorpyriphos methyl is effective against stored product insects except 1. *Rhizopertha dominica* 2. *Tribolium castaneum* 3. *Caryedon serratus* 4. *Oryzaephilus surinamensis* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
6	206	Which of the following insects often cause inhalational allergies in human following large emergence of adult insects 1. Stick insects 2. May flies 3. Ear wigs 4. Preying mantis A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
7	207	Given below are two statements: Statement (I): Climate is a weather condition related to smaller areas at a given place and at a given time, Statement (II): Weather is a condition of atmosphere at a given place and at a given time In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
8	208	The local name of cyclone in Phillippines is 1. Hurricane 2. Cyclone 3. Baquio 4. Typhoon A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
9	209		4.0	1.00

		Which one of the following are secondary tillage implements? (A).Subsoiler (B).Cultivator (C).Disc harrow (D).Wetland plough Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (B) and (C) only. 3. (B), (C) and (D). 4. (B) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
10	210	_____ is the most suitable, drought resistant and persistant grass? 1. *Atylosia sp.* 2. *Cenchrus ciliaris* 3. *Stylosanthes hamata* 4. *Sorghum bicolor* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
11	211	The rainfed area in India is aproximately 1. 30 mha 2. 40 mha 3. 57 mha 4. 70 mha A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
12	212	Which nutrient is often a limiting factor in agricultural production? 1. Nitrogen 2. Carbon 3. Oxygen 4. Hydrogen A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
13	213	What is a potential disadvantage of agroforestry systems? 1. Increased soil erosion 2. Decreased carbon sequestration 3. Reduced biodiversity 4. Enhanced susceptibility to pests A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
14	214	Pungency in mustard oil is due to 1. Amino acid 2. Allyl isothiocyanate 3. Erusic acid 4. Oxalic acid A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
15	215	Sesamum belongs to the family 1. Chenopodiaceae 2. Papilionaceae 3. Leguminosae 4. Pedaliaceae A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
16	216	Dark period is critical in which type of plant? 1. Short day plant 2. Long day plant 3. Day neutral plant 4. All the options A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
17	217	Which of the following is NOT a significant contributor to greenhouse gas emissions from livestock farming? 1. Carbon dioxide 2. Methane 3. Nitrous oxide 4. Ammonia A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
18	218	Fe deficiency is mostly seen in crops growing on 1. Calcareous or alkaline soils 2. Salt affected soils 3. Acidic soils 4. Neutral soils A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
19	219	EDV (Essentially Derived Varieties) are those which are derived from: 1. crossing two commercially known varieties 2. hybrid introduced from other countries 3. existing variety through genetic engineering or mutation 4. crossing commercially known variety with its wild relative A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
20	220	What is the role of "companion planting" in agriculture? 1. Enhancing soil fertility through crop rotation 2. Growing different crop species together to deter pests 3. Cultivating plants in hydroponic system 4. Increasing soil compaction through cover cropping A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
21	2501	Amount of water retained at low values of matric suction is mainly affected by 1. Soil texture 2. Soil structure 3. Air-entry suction 4. Specific-surface of the soil A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
22	2502	A system of uniform grains in a soil structure is called as 1. Monodisperse 2. Hyperdisperse 3. Polydisperse 4. Multidisperse A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
23	2503	What is the coordination number of cubic tetrahedral type packing of soil spherical particles? 1. 6 2. 8 3. 10 4. 12 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

24	2504	What is not an assumption of Stoke's law? 1. All particles have the same density 2. The particles are rigid, smooth ad spherical 3. Fluid flow around the particle is turbulent 4. The particles are large enough to be unaffected by the thermal motion A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

25	2505	Apparent drought is caused by 1. Wrong selection of crop 2. Late onset of monsoon 3. Wrong selection of crop variety 4. Early withdrawal of monsoon A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

26	2506	What is the most highly variable gas in our atmosphere ? 1. CO_2 2. O_2 3. Water vapour 4. Trace gases A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

27	2507		4.0	1.00

		Which theory is most suited for formation of warm clouds 1. Collision theory 2. Bergeron-Findeisen theory 3. Frontal theory 4. Occlusion thery A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
28	2508	Bilinear interpolation is the type of Interpolation where for each new location the intensity of the 1. Four pixels 2. immediate pixel 3. Eight pixels 4. Sixteen pixels A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
29	2509	Sentinel-2 satellite contains how many spectral bands ? 1. 10 2. 13 3. 15 4. 9 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
30	2510		4.0	1.00

		Reference crop evapotranspiration computation (FAO-56) assumes the height of reference crop is 1. 12 cm 2. 15 cm 3. 8 cm 4. 10 cm A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
31	2511	Closely spaced isobar indicates the 1. Low pressure gradient 2. No pressure gradient 3. Very low pressure gradient 4. High pressure gradient A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
32	2512	Specific surface of sand may be 1. > 2 m^2/g 2. < 2 m^2/g 3. < 5 m^2/g 4. > 10 m^2/g A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
33	2513		4.0	1.00

		Multilayer adsorption can be estimated using 1. Langmuir's equation 2. BET equation 3. De Boer's equation 4. Teller's equation A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
34	2514	Kaolin minerals tend to appear in the region of 1. Along the equator 2. Mediterranean 3. Temperate 4. Tropical A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
35	2515	Water risen in a capillary tube is characterized by a 1. +ve pressure potential 2. -ve pressure potential 3. zero pressure potential 4. Gravitational potential A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
36	2516		4.0	1.00

		The wind speed of cyclonic storm is 1. 25 to 33 knot 2. 34 to 47 knot 3. 47 to 67 knot 4. More than 67 knot A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
37	2517	Given below are two statements: Statement (I): When the chlorine oxide reacts with ozone, the ozone concentration is reduced in the stratosphere. Statement (II): The polar vortex is illuminated by the sun. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
38	2518	Absolute humidity is the ratio of: 1. volume of water vapour to volume of air 2. mass of water vapour to mass of air 3. mass of water vapour to volume of air 4. AVP to SVP A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
39	2519	Thermal concept of Monsoon was proposed by 1. Walker 2. Halley 3. Bergeron 4. Campbell A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
40	2520	Hot, dry southerly wind that blows in Egypt in spring is called 1. Khamsin 2. Samsoco 3. Wester 4. Quesqueen A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
41	2521		4.0	1.00

Match **List-I** with **List-II**

List-I	List-II
(Climatic types)	**(Moisture indices)**
(A). B2-Humid	(I). 0 to 20
(B). E-Arid	(II). -100 to -66.7
(C). D-Semiarid	(III). -66.7 to -33.3
(D). C2-Moist subhumid	(IV). 40 to 80

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
3. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

42	2522	In case of modified Koppen System, the average temperature of the coolest month for “A” type of climate is 1. Less than 5^0C 2. 5^0C to 10^0C 3. 10^0C to 18^0C 4. More than 18^0C A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

43	2523		4.0	1.00

		Growing degree days concept is originated from 1. Kirchoof's law 2. Stephan Boltzmann law 3. Wein's law 4. Vant Hoff's law A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
44	2524	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : January is the coldest month at Delhi Reason (R) : The earth gets minimum radiation as the sun-earth distance is maximum in January In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
45	2525	Which of the following law states that an increase in temperature will cause an increase in the rate of an endothermic reaction? 1. Kliff's law 2. Van't Hoff's law 3. Lamarck's law 4. Law of Dalton Hooker A1 : 1 A2 : 2 A3 : 3	4.0	1.00

A4 : 4

Objective Question

46 2526 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
(A). Short day plants	(I). Wheat
(B). Long day plants	(II). Tomato
(C). Day neutral plants	(III). Andropogon
(D). Intermediate plant	(IV). Rice

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (IV), (B) - (I), (C) - (II), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

47 2527 4.0 1.00

Which of the following particles are used for cloud seeding in artificial rain making.

(A) Silver iodide

(B) Dry ice

(C) Common salt

(D) Dust particle

1. (A), (B) and (C) only.
2. (A), (B) and (D) only.
3. (A), (B), (C) and (D).
4. (B), (C) and (D) only.

A1 : 1

A2 : 2

		A3 : 3 A4 : 4		
Objective Question				
48	2528	Surface boundary layer of the Earth is dominated by which force? 1. Coriolis force 2. Pressure gradient force 3. Gravitational force 4. Frictional force A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
49	2529	Presence of inversion near the ground indicates which type of atmospheric condition? 1. Unstable 2. Stable 3. Windy 4. Rainy A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
50	2530		4.0	1.00

		Which effects are generated by advection in the crop fields? (A). Oasis effect (B). Clothesline effect (C). Seebeck effect (D). Peltier effect Choose the ***correct*** answer from the options given below: 1. (A) and (B) only. 2. (A), (B) and (D) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
51	2531	As per India State of Forest Report (ISFR)-2021, the area (sq km) of forest cover under the category of 'Open Forest' in India is 1. 3, 04, 499 sq km 2. 3, 07, 120 sq km 3. 3, 12, 684 sq km 4. 3, 21, 359 sq km A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
52	2532	India's first State of Forest Report was release in year: 1. 1985 2. 1986 3. 1987 4. 1988 A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
53	2533	Given below are two statements: Statement (I): The Indian Council of Forestry Research and Education was established in the year 1985 for taking care of forestry research, education and extension needs of the country. Statement (II): The Indian Council of Forestry Research and Education was declared an autonomous Council under the then Ministry of Environment and Forests, Govt. of India in June, 1991 In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
54	2534	As per the latest ISFR-2021, the order of forest carbon stock under different carbon pools is: 1. Litter > soil organic carbon > above + below ground biomass > dead wood 2. Above + below ground biomass > soil organic carbon > litter > dead wood 3. Dead wood > soil organic carbon > above + below ground biomass > litter 4. Soil organic carbon > above + below ground biomass > litter >dead wood A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
55	2535		4.0	1.00

		World Agroforestry Centre, a brand name used by the International Centre for Research in Agroforestry, an international institute is headquartered in: 1. Beijing, China 2. Yokohama, Japan 3. Nairobi, Kenya 4. Vienna, Austria A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
56	2536	Botanical Survey of India (BSI) located in Kolkata, West Bengal, India was established in the year: 1. 1864 2. 1878 3. 1890 4. 1906 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
57	2537	The Center for International Forestry Research (CIFOR) and World Agroforestry (ICRAF) are the world's leading research and development organizations focused on forestry and agroforestry joined with each other in: 1. 2010 2. 2014 3. 2019 4. 2023 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

58	2538	The *Eucalyptus tereticornis*, a very important industrial tree species widely grown in different parts of India is native of : 1. Central America 2. Australia 3. Bahama 4. China A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

59	2539	Given below are two statements: Statement (I): The Convention on Biological Diversity (CBD) was adopted during the Earth Summit held in Rio de Janeiro in 1991. Statement (II): India became a party to the Convention on Biological Diversity (CBD) in 1995. In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

60	2540	Which is the state among the followings which has reservation policy for diiferent level of job(s) for B.Sc. Forestry professionals with appropriate weightage/ preferences in their state forest department? 1. Uttarakhand 2. Karnataka 3. Uttar Pradesh 4. Haryana A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
61	2541	Environmental science is defined by which of the following statements? 1. Study of the interactions between the environment's and humans only 2. Study of the interactions between the environment's and physical components 3. Study of the interactions between the environment's and chemical components 4. Study of the interactions between the environment's physical, chemical, and biological components A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
62	2542	Which is the first zone of purification in a sand bed? 1. Heterotrophic zone 2. Schmutzdecke zone 3. Electrolytic zone 4. Autotrophic zone A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
63	2543	Which process of water treatment is done to avoid floating debris, branches, trees, or other large particles suspended in water? 1. Primary sedimentation 2. Secondary sedimentation 3. Screening 4. Aeration A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
64	2544	When Environmental Lapse Rate (ELR) is greater than Adiabatic Lapse Rate (ALR), then which of the following occurs? 1. Super adiabatic lapse rate 2. Neutral lapse rate 3. Adiabatic lapse rate 4. Sub adiabatic lapse rate A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
65	2545	Which of the following air pollution control device has maximum efficiency? 1. Spray tower 2. Wet cyclonic scrubber 3. Dynamic precipitator 4. Electrostatic precipitator A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
66	2546	Which of the following device is used to prevent the clogging of sewer pipes? 1. Drop manhole 2. Storm regulators 3. Flushing tank 4. Lamp hole A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
67	2547	Which of the following gas is released when alum is added to water? 1. $Ca(OH)_3$ 2. CO_2 3. $Al(OH)_3$ 4. $CaSO_4$ A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
68	2548	Which of the following is not commonly used as a filter material in the treatment of water? 1. Garnet sand 2. Crushed rock 3. Sand 4. Anthracite A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
69	2549	Which of the following is correct regarding disposal of waste by land filling? 1. Economical method 2. Preferred in low lying areas 3. Foul gases are not produced 4. Separation of different types of waste not required A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
70	2550	Under which rule of Government, guidelines for solid waste management are followed today? 1. Municipal Solid Waste Rules, 2000 2. Municipal Solid Waste Rules, 2016 3. Solid Waste Rules, 2000 4. Solid Waste Rules, 2016 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
71	1003101	What is the temperature range at tropopause at equator ? 1. -54 °C to -60°C 2. -70°C to -75°C 3. -45°C to -50°C 4. - 60°C to -65 °C A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
72	1003102	Which is the least preferred strategy of Integrated Solid Waste Management according to their Environmental benefits? 1. Landfills 2. Composting 3. Waste to Energy 4. Recycling A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
73	1003103	The Central Pollution Control Board (CPCB, 2015) in India has specified the standards for thermal discharges from thermal power plants. The condenser cooling water should not have temperature more than ..... higher than the intake water temperature. 1. 10 ºC 2. 5 ºC 3. 15 ºC 4. 20 ºC A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
74	1003104	How agricultural management helps in the control of water pollution? 1. By giving an idea about the use of land management 2. By increase the water intake 3. By using poor soil which consumes less water 4. By encouraging farmers to use more chemicals A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
75	1003105	What is the next step after water abstraction in wastewater treatment? 1. Supply to consumers 2. Treatment 3. Combine with stormwater 4. Supply to receiving body A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
76	1003106	What is the relationship between turbidity and TSS for a settled secondary effluent? 1. TSS = (2.3) x Turbidity 2. TSS = (2.0) x Turbidity 3. TSS = (2.5) x Turbidity 4. TSS = (1.3) x Turbidity A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
77	1003107	What is the method of treatment used when the TSS in the sample would be high? 1. Ultrafiltration 2. High rate solid contact clarifier 3. Pressure Sand filter 4. Activated Carbon filter A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
78	1003108	What does compost do to the alkaline soil? 1. Wash away salts and chemicals 2. Increase the pH 3. Leads to the death of microorganisms 4. Leads to soil contamination A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

79	1003109	How does soil erosion cause thermal pollution? 1. By making natural water bodies to hold in its normal level 2. By polluting the water bodies 3. By avoiding sunlight to fall on the water bodies 4. By making natural water bodies to rise beyond their normal level A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

80	1003110	Biological method of soil remediation includes _____ of contaminants. 1. Vitrification 2. Transformation 3. Bio-leaching 4. Removal A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

81	1003111	What is the significance of green image? 1. Bio-magnification 2. Soil remediation using biological method 3. Soil remediation using chemical method 4. Lyophilization A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

82	1003112		4.0	1.00

		Who is responsible for safe disposal of the generated hazardous waste? 1. Generator 2. Receiver 3. Waste facility 4. Treatment, storage, and disposal facilities (TSDFs) A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
83	1003113	Which one is the largest thermal power plant in India? 1. Mundra Thermal Power Station 2. Vindhyachal Thermal Power Station 3. Sasan Ultra Mega Power Plant 4. Talcher Super Thermal Power Station A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
84	1003114	The largest Windfarm (Muppandal) is located in which state of India? 1. Rajasthan 2. Gujarat 3. Kerala 4. Tamil Nadu A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
85	1003115		4.0	1.00

Choose the appropriate option.

Microalgae species	Application
A. Chlorella vulgaris	I. Food supplement
B. Lyngbya majuscule	II. Cosmetics
C. Odontella aurita	III. Pharmaceuticals
D. Scenedesmus	IV. Biofuel

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
3. (A) - (I), (B) - (IV), (C) - (III), (D) - (II)
4. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

86 | 1003116 | 4.0 | 1.00

Which are the variable mixture components of synthesis gas for synthesis of organic compounds?

1. CO and H_2
2. H_2 and N_2
3. Only H_2
4. CO and N_2

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

87 | 1003117 | 4.0 | 1.00

Which element is analysed by using the Alizarin method (Schott-Sanchis method)?

1. Fluoride
2. Chlorine
3. Cyanide
4. Free CO_2

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

88 1003118 4.0 1.00

What will be the resultant decibel sound level when one source makes 70 dB and another makes 80 dB sound?

1. 70 dB
2. 80 dB
3. 73 dB
4. 83 dB

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

89 1003119 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
(water-related disease**)**	**(**Pathogen**)**
(A). Poliomyelits	(I). Helminth
(B). Typhoid fever	(II). Protozoa
(C). Amoebic dysentery	(III). Bacteria
(D). Hymenolepiasis	(IV). Virus

Choose the **correct** answer from the options given below:

1. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
2. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
3. (A) - (IV), (B) - (II), (C) - (I), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

		A3 : 3 A4 : 4		
Objective Question				
90	1003120	Which of the following plumes arises in a super adiabatic environment (ELR>ALR), resulting in a very unstable atmosphere due to rapid mixing? 1. Looping 2. Coning 3. Fanning 4. Fumigating A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
91	1003121	Which of the following pollutant is responsible for the cracking of rubber? 1. Acrolein (CH_2CHCOH) 2. Peroxybenzoyl nitrate (PBzN) 3. Peroxyacetyl nitrate (PAN) 4. Ozone A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
92	1003122	Which one is not an assumption of the Gaussian plume dispersion model? 1. Perfect reflection of the plume at the underlying surface 2. Homogeneous flow, conservative and no gravity fallout of pollutants 3. The rate of emission from the point source is constant 4. Wind speed should be < 0.5 m/s A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
93	1003123	Which organization developed the Comprehensive Environmental Pollution Index (CEPI)? 1. CPCB 2. MoEF&CC 3. WHO 4. US EPA A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
94	1003124	Which country first adopted the environmental auditing process? 1. USA 2. UK 3. India 4. France A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
95	1003125	Given below are two statements: Statement (I): The National Disaster Management Authority is the apex body for disaster management in India, laying down the policies, plans, and guidelines for disaster management. Statement (II): The National Policy on Disaster Management was approved on October 22, 2009. In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
96	1003126	Which sentence(s) belong to the characteristics of the community structure? (A). Phenology is the scientific study of climate change seasonal variations. (B). Physiognomy means the appearance of a less dominant species in an area. (C). Dominance is the number of individuals of any species per sampling unit studied. (D). Stratification is a qualitative characteristic of community structure. Choose the ***correct*** answer from the options given below: 1. (A) and (C) only. 2. (A) and (D) only. 3. (A), (C) and (D) only. 4. (A), (B), (C) and (D). A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				

97	1003127	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Generally large size animals following the Type II survivorship cure. Reason (R) : The Shape of the survivorship curve is often related to the degree of parental care or other protection given to the young. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
98	1003128	Match **List-I** with **List-II** **List-I** / **List-II** **(Biome)** / **(Region)** (A). Pampas / (I). Hungary (B). Steppes / (II). South Africa (C). Pustaz / (III). Eurasia (D). Velds / (IV). South America Choose the **correct** answer from the options given below: 1. (A) - (IV), (B) - (III), (C) - (I), (D) - (II) 2. (A) - (IV), (B) - (III), (C) - (II), (D) - (I) 3. (A) - (III), (B) - (I), (C) - (IV), (D) - (II) 4. (A) - (II), (B) - (IV), (C) - (III), (D) - (I) A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

99	1003129	Which of the following is an example of submerged floating hydrophytes? 1. Ceratophyllum 2. Trapa 3. Wolffia 4. Hydrilla A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

100	1003130	The interactions of organisms in which the host kills its prey upon which it feeds, known as 1. Parasitism 2. Predation 3. Hyperparasitism 4. Antibiosis A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

101	1003131	Which are the correct statements about the distinct zonation and stratification of lakes and large ponds? (A). A deep water profundal zone containing autotrophs and heterotrophs. (B). Littoral and limnetic zones have ratio of P/R < 1 and profundal zone P/R > 1. (C). Nektons are free-swimming organisms such as fish. (D). Neustons are organisms at water's surface film, such as water striders. Choose the ***correct*** answer from the options given below: 1. (A) and (B) only. 2. (A), (B) and (C) only. 3. (C) and (D) only. 4. (A), (B), (C) and (D). A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
102	1003132	The ecological footprints are measured in terms of 1. Carbon dioxide-equivalent 2. Deci hectares 3. Giga hectares 4. Global hectares A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
103	1003133	Certain species of epiphytic orchards of the Western Ghats of India and epiphytic orchards of South America are the best examples of 1. Ecads 2. Ecotypes 3. Ecospecies 4. Ecological equivalents A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
104	1003134	Which UN Sustainable Development Goal (SDG) directly addresses the issue of land degradation? 1. SDG 12 2. SDG 13 3. SDG 14 4. SDG 15 A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
105	1003135	Under which section of the Biodiversity Act 2002 was the National Biodiversity Authority (NBA) established in 2003? 1. Section 2 2. Section 5 3. Section 8 4. Section 9 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
106	1003136	Arrange the different hydrofluorocarbons (HFCs) in increasing order according to their global warming potential (GWP) on 100-year scale? 1. HFC-134 < HFC-134a < HFC-143 2. HFC-134a < HFC-134 < HFC-143 3. HFC-143 < HFC-134a < HFC-134 4. HFC-143 < HFC-134 < HFC-134a A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
107	1003137	How many national biodiversity targets were prepared under the National Biodiversity Action Plan (NBAP) in 2014 that were in line with the 20 global Aichi biodiversity targets? 1. 8 2. 10 3. 12 4. 20 A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
108	1003138	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : MIKE is an international collaboration initiated by an IUCN resolution in 1997. Reason (R) : The aim of MIKE project was to measure trends and causes of monkey mortality globally. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
109	1003139	Where is the Institute of Forest Biodiversity located? 1. Ranchi 2. Dehradun 3. Jorhat 4. Hyderabad A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
110	1003140		4.0	1.00

		Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : The e-Green Watch portal was launched in 2012 in the 5 states of India. Reason (R) : This portal helps in keeping a track of all plantation and other activities being carried out by the State Forest Departments (SFDs). In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
111	1003141	Kigali Amendment related to? 1. Climate change adaptation and mitigation 2. Phase down of chlorofluorocarbons (CFCs) 3. Phase down of hydrofluorocarbons (HFCs) 4. Biodiversity conservation A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
112	1003142	Which of the following colour container is used to manage syringes without needles biomedical waste? 1. Red 2. White 3. Yellow 4. Black A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
113	1003143	The degree of freedom (df) of error in latin square design (LSD) with 6 treatments will be 1. 5 2. 6 3. 10 4. 20 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
114	1003144	The probability of committing type I error is known as 1. Standard error 2. Test of significance 3. Composite hypothesis 4. Level of significance A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
115	1003145	The variation due to uncontrolled factors is known as 1. Standard errors 2. Treatment effects 3. Experimental error 4. Both standard error and treatment effects A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

116	1003146	Which design is most appropriate for laboratory experiments? 1. CRBD (Completely Randomized Block Design) 2. CRD (Completely Randomized Design) 3. LSD (Least Significant Difference) 4. Factorial RBD (Randomized Block Design) A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

117	1003147	Which of the following is an essential requirement for initiating the fusion reaction? 1. Critical mass 2. Thermal neutrons 3. High temperature 4. Critical temperature A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

118	1003148	What are energy crops? 1. Crops grown to generate energy to remove insects 2. Crops grown to be used in generating energy 3. Crops grown to provide energy to fauna 4. Crops that produce energy A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

119	1003149	What is the intermediate zone composed of in aerobic-anaerobic ponds? 1. Algae 2. Aerobic bacteria 3. Facultative bacteria 4. Organic solids A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
120	1003150	What does zero discharge actually refer to? 1. There is zero discharge of ions 2. The reject is recycled from every part of the treatment plant 3. The reject is not rejected out and Influent equals effluent 4. 100 percent efficient plant A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00