

PREVIEW QUESTION BANK

Module Name : nou24-ge10 MSD-012- Ecosystem and Natural Resources-ENG
Exam Date : 18-May-2024 Batch : 09:00-12:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	11811001	<p>Which of the following scientist coined the term 'Ecology'?</p> <ol style="list-style-type: none"> 1. JB Lamarck 2. Ernst Haeckel 3. Charles Darwin 4. EP Odum <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
Objective Question				
2	11811002	<p>It refers to net quantity of energy transferred and stored in the bodies of heterotrophs over a period of time.</p> <ol style="list-style-type: none"> 1. Primary production 2. Primary productivity 3. Secondary production 4. Secondary productivity <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
Objective Question				
3	11811003	<p>Decomposer organisms are part of ____ .</p> <ol style="list-style-type: none"> 1. Carnivorous food chain 2. Grazing food chain 3. Detritus food chain 4. Herbivorous food chain <p>A1 : 1</p> <p>A2 : 2</p>	2.0	0.00

A3 : 3

A4 : 4

Objective Question

4	11811004	<p>Individuals of same species living in a particular place or environment are called as:</p> <ol style="list-style-type: none"> 1. Population 2. Community 3. Family 4. Order <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

5	11811005	<p>Alpha, Beta and Gamma diversity are three types of:</p> <ol style="list-style-type: none"> 1. Genetic diversity 2. Species diversity 3. Ecosystem diversity 4. Cultural diversity <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

6	11811006	<p>In which climatic region, most of the biodiversity hotspots are located?</p> <ol style="list-style-type: none"> 1. Tropical region 2. Temperate region 3. Coastal region 4. Polar region <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p>	2.0	0.00
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A4 : 4

Objective Question

7	11811007	<p>Which facts are true about evolution of life on different part of the earth?</p> <p>(A). Creation of Ozone layer helped in evolution of life on the land</p> <p>(B). Eukaryotes were the first living organisms to evolve</p> <p>(C). First living organisms appeared in the oceans</p> <p>(D). Life evolved on the earth about 0.5 million years ago</p> <p>Choose the correct answer from the options given below:</p> <p>1. (A) and (B) only.</p> <p>2. (B) and (D) only.</p> <p>3. (A) and (C) only.</p> <p>4. (C) and (D) only.</p>	2.0	0.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

8	11811008	<p>It is not a regulatory service associated to biodiversity</p> <p>1. Primary production</p> <p>2. Climate Regulation</p> <p>3. Water purification</p> <p>4. Invasion resistance</p>	2.0	0.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

9	11811009	<p>Contribution of soil biodiversity in the total biodiversity is:</p> <p>1. About 7%</p> <p>2. About 23%</p> <p>3. About 41%</p> <p>4. About 53%</p>	2.0	0.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question				
10	11811010	Species that is confined to a particular area in its distribution is called as: 1. Endemic species 2. Exotic species 3. Invasive species 4. Extinct species A1 : 1 A2 : 2 A3 : 3 A4 : 4	2.0	0.00

Objective Question				
11	11811011	Red List published by IUCN pertains to: 1. Invasive species 2. Endemic species 3. Threatened Species 4. Animals with red blood A1 : 1 A2 : 2 A3 : 3 A4 : 4	2.0	0.00

Objective Question				
12	11811012	Which of the following is not the major effect of loss of biodiversity? 1. Threats to our food supplies 2. Threats to supply of minerals 3. Threats to ecosystem services 4. Threats to opportunities for recreation and tourism A1 : 1	2.0	0.00

A2 : 2

A3 : 3

A4 : 4

Objective Question

13	11811013	<p>Main aim of biodiversity conservation does not include:</p> <ol style="list-style-type: none"> 1. Conserving diversity at all levels including genetic, species and ecosystem 2. Promoting sustainable use of all components of biodiversity 3. Enhancing economic value of different components of biodiversity 4. Protecting natural habitat from degradation or fragmentation <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

14	11811014	<p>India become signatory to Convention on Biological Diversity in the year_____.</p> <ol style="list-style-type: none"> 1. 1988 2. 1990 3. 1994 4. 2005 <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

15	11811015	<p>It is the first National Park of India:</p> <ol style="list-style-type: none"> 1. Gir National Park 2. Corbett National Park 3. Sundarban National Park 4. Kaziranga National Park <p>A1 : 1</p>	2.0	0.00
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A2 : 2

A3 : 3

A4 : 4

Objective Question

16	11811016	<p>Which of the following has the biggest contribution in land degradation?</p> <ol style="list-style-type: none"> 1. Water and wind erosion 2. Chemical degradation 3. Physical degradation 4. Biological degradation <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

17	11811017	<p>Which of the following regions are mostly affected by land degradation?</p> <ol style="list-style-type: none"> 1. Europe and North America 2. Asia and Australia 3. South America and Asia 4. Africa and Central America <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

18	11811018	<p>In which type of agriculture; application of fertilizers is done as per specific needs of that part of plot?</p> <ol style="list-style-type: none"> 1. Precision agriculture 2. Organic agriculture 3. Slash and burn agriculture 4. Subsistence agriculture <p>A1 : 1</p> <p>A2 : 2</p>	2.0	0.00
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		A3 : 3		
		A4 : 4		

Objective Question

19	11811019	<p>Which of the following is the largest component of normal agricultural soil?</p> <ol style="list-style-type: none"> 1. Organic matter 2. Mineral matter 3. Soil water 4. Soil air <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

20	11811020	<p>Which of the following is NOT an approach of soil fertility management?</p> <ol style="list-style-type: none"> 1. Crop rotation 2. Green manuring 3. Nutrient leaching 4. Use of crop residue <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

21	11811021	<p>Which type of soil is formed by deposition of silt carried by rivers?</p> <ol style="list-style-type: none"> 1. Alluvial soil 2. Black cotton soil 3. Marshy and peaty soil 4. Laterite soil <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p>	2.0	0.00
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A4 : 4

Objective Question

22 11811022

2.0

0.00

The net immobilization or net mineralization, depends on:

1. C: K ratio
2. N: P ratio
3. C: N ratio
4. N: K ratio

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

23 11811023

2.0

0.00

Which of the following is NOT the phase of hydrologic cycle?

1. Evaporation & transpiration
2. Precipitation
3. Runoff
4. Leaching

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

24 11811024

2.0

0.00

Water helps in the moderation of earth's temperature because of which property of water:

1. It is a universal solvent
2. It has high surface tension
3. It has high specific heat
4. It has neutral pH

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

25	11811025	<p>How much portion of fresh water is contained in glaciers and ice-caps?</p> <ol style="list-style-type: none"> 1. 30% 2. 69% 3. 86% 4. 93% <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

26	11811026	<p>Which of the following is not the major benefit associated with rain water harvesting?</p> <ol style="list-style-type: none"> 1. Improvement in quality of ground water 2. Check the declining water table 3. Prevention of soil erosion 4. Recharge of rivers <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

27	11811027	<p>The process of evaporation of water through microscopic pores in leaves is called:</p> <ol style="list-style-type: none"> 1. Leaf drip 2. Interception 3. Infiltration 4. Transpiration <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

28	11811028	<p>Which of the following is not a water quality parameter?</p> <ol style="list-style-type: none"> 1. Dissolved oxygen 2. Resolution 3. Specific conductance 4. Turbidity <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

29	11811029	<p>In the past century, which of the following is not the major driver of enormous expansion of water resource infrastructure ?</p> <ol style="list-style-type: none"> 1. Population growth 2. Construction of water recreation parks 3. Changing standard of living 4. Expansion of irrigated agriculture <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

30	11811030	<p>What population of the world is suffering from the crisis of clean drinking water?</p> <ol style="list-style-type: none"> 1. About 1 million 2. About 3 million 3. About 2 billion 4. About 7 billion <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

31	11811031	<p>Which of the following is related to the capacity of an ecosystem to tolerate stress?</p> <ol style="list-style-type: none">1. Supportive capacity2. Assimilative capacity3. Sustainable yield4. Carrying capacity <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

32	11811032	<p>_____ is example of perpetual resource.</p> <ol style="list-style-type: none">1. Fossil fuel2. Biodiversity3. Geothermal energy4. Solar energy <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

33	11811033	<p>What proportion of solar energy is used by man in the form of commercial and non-commercial energy?</p> <ol style="list-style-type: none">1. Less than 1%2. 5%3. About 10%4. About 30% <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

34	11811034	<p>What is the average temperature of the earth surface due to green house gases?</p> <ol style="list-style-type: none">1. 10 degree Celsius2. 15 degree Celsius3. 20 degree Celsius4. 25 degree Celsius <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

35	11811035	<p>Which State of India is successfully tapping wind energy?</p> <ol style="list-style-type: none">1. Tamil Nadu2. Orissa3. Punjab4. Karnataka <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

36	11811036	<p>Which is not an example of non-commercial energy?</p> <ol style="list-style-type: none">1. Energy from Fuelwood2. Energy from Cow dung3. Energy from Crop waste4. Energy from Coal <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

37	11811037		2.0	0.00
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Cogeneration in energy conservation means:

1. Electricity generation within specified limits
2. Simultaneous production of heat and electricity
3. Parallel use of two types of fuels
4. Use of super conductor

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

38	11811038	<p>What is used by OTEC System for power generation?</p> <ol style="list-style-type: none"> 1. Temperature difference between shallow and deep waters 2. Mechanic power of sea waves 3. Chemical energy associated with high salt content in sea water 4. Tidal power of ocean water <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

39	11811039	<p>Dematerialization in production process means:</p> <ol style="list-style-type: none"> 1. To make product of small size in order to save material and energy 2. To use commonly available mineral in production of something 3. To simplify production process to save material 4. To break products for recycling <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

40	11811040		2.0	0.00
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Dissipative use of mineral means:

1. Where recycling is easily done with little use of energy
2. Where totality of material is lost and recovery is impossible
3. Where minerals are used in multiple ways
4. Where mineral can be recycled about 50% of the original amount

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

41	11811041	<p>Which of the following is the most sustainable society?</p> <ol style="list-style-type: none"> 1. Matter recycling society 2. High waste society 3. High throughput society 4. Earth wisdom society <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

42	11811042	<p>Which management strategy focuses on non-use of resources?</p> <ol style="list-style-type: none"> 1. Conservation 2. Preservation 3. Restoration 4. Rehabilitation <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

43	11811043		2.0	0.00
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About how many edible plant species are used by humans?

1. 15 to 20
2. 50 to 60
3. 150 to 200
4. 500 to 600

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

44	11811044	Who described the Centre of origin of agrobiodiversity for the first time?	2.0	0.00
		<ol style="list-style-type: none"> 1. Carl Linnaeus 2. Dr John Gregor Mendel 3. Dr Nicolai Ivanovich Vavilov 4. Eugene Pleasants Odum 		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

45	11811045	Which of the following was not a reason of significant growth in grain production during years 1960 to 2000?	2.0	0.00
		<ol style="list-style-type: none"> 1. Intensive nitrogen mineralization 2. Use of high agrobiodiversity 3. Effective use of herbicides for weed control 4. Use of high yielding varieties 		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

46	11811046		2.0	0.00
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Which of the following facts are true about the effect of management on agrobiodiversity?

- (A). Crop rotation often has favourable effect on agrobiodiversity
- (B). Fragmentation of habitat may lead to enhancement of agrobiodiversity
- (C). Increasing heterogeneity at landscape level may lead to agrobiodiversity loss
- (D). Use of herbicides may lead to agrobiodiversity loss

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

47 11811047

2.0 0.00

Which of the following is NOT a major reason that leads to agrobiodiversity erosion?

- 1. Natural selection
- 2. Use of high yielding varieties
- 3. Pressure for ecological uniformity
- 4. Use of exotic varieties

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

48 11811048

2.0 0.00

Indian National Gene Bank for Plant Genetic Resources is established by:

- 1. CSIR
- 2. FICCI
- 3. PGRFA
- 4. ICAR

A1 : 1

A2 : 2

		A3 : 3		
		A4 : 4		
Objective Question				
49	11811049	<p>Which of the following can be said as the best approach for agrobiodiversity conservation?</p> <ol style="list-style-type: none"> 1. Breeding of genetic resources by farming communities in their farms 2. Conservation of genetic resources in protected areas 3. Ex situ conservation strategy like refrigerated seed bank 4. Economic incentives to farmers <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
Objective Question				
50	11811050	<p>Which is NOT a feature of GMO crop?</p> <ol style="list-style-type: none"> 1. Genes are introduced to maximize production 2. Resistance to non-selective herbicides 3. Tolerance to insect pests 4. Focus on use of farm yard manure <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00