

Qns / 2017 / 3001

Scoring Indicators SET-III

Code : 3001

TED (15)

Version: ✓

Qn. No.	Scoring Indicators	Split score	Total score
1	D - wind - Solar - Tidal - Hydel (any two)	1	2
2	The branch of biology that deals with relations of organisms to one another and their physical surrounding (Don't Note: check key words only)	2	2
3	Fog or haze intensified due to excess of smoke or other pollutants to atmosphere	2	2
4	Draw food chains <pre>graph LR; A[Grass] --> B[Grasshopper]; B --> C[bird]</pre> or <pre>graph LR; A[producer] --> B[Consumer]; B --> C[Decomposer]</pre>	2	2
5	Earthquake, Tsunami, Land Slides	2	2

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II 1)	<p><u>what you meant by biome.</u></p> <p>Biome a very large ecological area on earth's surface with flower fauna. (animals + plants)</p> <p>→ with flower fauna. (animals + plants)</p> <p>- Biotic & abiotic factors -</p> <p>- It is not a eco system.</p>	<p>2</p> <p>2</p> <p>2</p>	<p>6.</p>
II 2)	<p><u>Desertification</u></p> <p>→ The process of fertile land become desert.</p> <p>→ Due to over grazing.</p> <p>→ loss of habitat.</p> <p>→ loss of water as well as vegetation gradually</p> <p>→ Due to climatic change & human intervention</p> <p>(each point carry one mark).</p>	<p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>6</p>
III 3)	<p><u>Draw food web.</u> - A food chain linked together and interact each other.</p> <p>Defination.</p>	<p>2</p> <p>4</p>	<p>6</p>

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II . 4	<p>Radio Active Contamination Presence of RadioActive Substances.</p> <ul style="list-style-type: none"> - on surface - within Solids. - liquids or gases. - including human body. <p>That ^{Adversely} effect human life as well as other species and plants.</p>	<p>1 1 1 1 1</p>	<p>6</p>
II 5.	<p>Floods, fires, draught</p> <p><u>Floods.</u> An overflow of a large amount of water beyond its normal limits, especially over what is normally in dry land. Adversely effect. human life & other animals & plants.</p> <p><u>Fires.</u> Fire is the rapid oxidation of a material in the exothermic chemical process of combustion, releasing heat and light. Forest fire & building in fire.</p> <p><u>Draught</u> It is a prolonged shortage of water supply. whether atmospheric, surface water or Ground water</p>	<p>2</p>	<p>6</p>

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<p><u>II.6</u></p>	<p>Students can write with examples of</p> <ul style="list-style-type: none"> → Chernobyl in Ukraine → Fukushima Daiichi - Japan. - loss of life - loss of plants. → Contamination of nuclear element in food & water & solids. 	<p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>6</p>
<p><u>II.7</u></p>	<ul style="list-style-type: none"> → Sunlight → Geothermal → Hydel power → Wind power → Tidal → Biomass etc... 	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>6</p>
<p><u>part C.</u></p>			
<p><u>III.9</u></p>	<ul style="list-style-type: none"> → Decrease in Rainfall → lowering of water table → Reduction in Oxygen → Soil erosion → Increase in Carbon dioxide level → adverse climatic conditions → loss of flora & fauna → ecological imbalance → Destruction of natural habitat for animals. 	<p>with seven parts</p>	<p>7</p>

Qn. No.	Scoring Indicators	Split score	Total score
III	<p>b) → The energy that which renewable after repeated usage is called renewable. example - sunlight, wind, tide, etc. → <u>eco friendly</u></p> <p>→ The sources of energy from fossil which will deplete after continuous usage is called non renewable energy. Petroleum products, → <u>Coal and diesel</u>. → <u>produce more carbon dioxide</u></p>	<p>2 1 1 2 1 1</p>	<p>2 8</p>
IV	<p>a) → Afforestation and reforestation. → Conservation of tillage → Gardening → Construction of wind breakers → Applying organic fertilisers. → Responsible farming → Avoid Attract Attraction of land.</p> <p>b) <u>Flood & Drought</u> definition & causes → Heavy rain → Melting of ice → Cloud burst → Rivers filled with sand & mud due to unscientific dams. → important Improper drainage systems.</p>	<p>1 1 1 1 1 1 1 2 3</p>	<p>7</p>

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	<p>with non living elements -</p> <ul style="list-style-type: none"> - water - - Temperature - - Strong flow of water - which help Biotic Components <p>1) Effect of eco system ecosystem helps to survive plants animals bacteria, fungi. that make a community Without eco system no living organism can survive</p>		
<p>✓ ⑤</p>	<p><u>Types of ecosystem</u> - list and differentiate</p> <ul style="list-style-type: none"> Forest eco system Forest eco system Grass land eco system Marine eco system Fresh water eco system Desert eco system 	<p>4 + 3</p>	

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IV b	<p><u>Drought</u></p> <ul style="list-style-type: none"> → deforestation → effect of water currents → less rain due to climatic change → Poor water management system → Use of land for alternate purpose. → Alteration of land. 	3	
IV a	<p>producers → produce food using sunlight + oxygen by photo synthesis - All vegita ^{plants}</p> <ul style="list-style-type: none"> → Consumers - Herbivorous as well as Carnivorous animals they get food energy from plants. and plant-eating animals → <u>decomposers</u> - Those clean the environment after loss of an living organisms. Which are in the case of plants, ants, bacteria, micro organism in the case of animals. 	2 2 3	7
x d	<p>Forest ecosystem consists of Biotic elements Plants - animals - micro organism</p> <p style="text-align: center;">(Describe each part)</p>	7	