

ENVIRONMENTAL & SUSTAINABILITY

Subject Code: 4300003

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Subject Name: ENVIRONMENTAL & SUSTAINABILITY

Time Duration: 77.0 minutes

Total Marks: 154

1. Which type of energy resource a tidal energy is ? 2
☐ Biomass ☐ Wind ☒ Renewable ☐ Non-Renewable
2. The remedy for energy crisis. 2
☐ Energy Waste
☒ Energy Conservation
☐ Energy utilization
☐ All of Above
3. Waste heat recovery possible in 2
☐ Bike ☒ Boiler ☐ Car ☐ None of Above
4. Objectives of sustainable development is 2
☐ Advantageous to all
☐ Increase in forest
☐ Reduce pollution
☒ All of Above
5. By using conventional sources of energy _____ . 2
☐ There will no pollution
☒ Pollution can be reduced
☐ There will be pollution
☐ All of Above
6. Energy auditing is done to _____ . 2
☐ Increase energy use
☒ Reduce energy use
☐ Waste energy
☐ A, B and C
7. Sustainable development considers 2
☐ Environmental needs ☐ Economic needs ☐ Social needs ☒ A, B and C
8. Types of forest in India are _____ . 2
☐ Deciduous ☐ Alpine ☐ Tropical ☒ All of the Above



9. Which is not a natural resource 2
- ☐ Water ☒ Electricity ☐ Air ☐ Solar Energy
10. According to the law of "conservation of energy" 2
- ☐ Energy can not be destroyed
☐ Energy can not be produced
☐ Energy can be transformed
☒ All of Above
11. If we use a continuous casting process we save energy in the field of _____. 2
- ☒ Steel Industry ☐ Vehicle Transportation ☐ Boiler ☐ Home related field
12. For sustainable development which is only taking into consideration for social and economical needs is known as _____. 2
- ☐ Bearable needs ☐ Viable needs ☒ Equitable needs ☐ Economic needs
13. Those natural resource which are yet not developed but there are chances of development are known as _____. 2
- ☒ Developing resource
☐ Stock resource
☐ Potential resources
☐ None of above
14. When natural resources belong to a village or a group of village of person it is known as _____ Natural Resources 2
- ☐ Individual ☒ Social ☐ National ☐ International
15. Trees like _____ are seen in dry tropical forests areas. 2
- ☒ Sal, Mango, Bamboo
☐ Coffee, Tea, Banana
☐ Olive
☐ Oak, Pine, Mapple
16. Which of the following option is not true for effecient use of fuel in vehicle ? 2
- ☐ Avoid Fuel Leakage
☐ Stop the engine for stoppage of more than 2 minutes
☒ Take regularly the waste heat recovery system
☐ Maintain the proper air pressure in tyres
17. Sustainable development is possible with 2
- ☒ renewable energy sources
☐ Non renewable energy sources
☐ conventional energy sources
☐ None of these



18. The process of purifying and using pollutants again is known as 2
☐ recycle ☐ reproduce ☒ reuse ☐ refit
19. Natural gas is an example of which energy source 2
☐ Nuclear energy ☐ Conventional Energy ☐ Natural gas ☒ Non Renewable
20. Fossil fuel like Coal, Petroluem and natural gas are which type of energy sources. 2
☐ Renewable sources
☒ Conventional sources
☐ Alternative Sources
☐ Mordern sources
21. Which place is famous for solar park in Gujarat ? 2
☐ Ahemdabad ☐ Gandhinagar ☒ Charanka ☐ Porbandar
22. Which type of forest largely found in Manipur Mizoram Nagaland Assam ? 2
☐ Tropical rainforest
☐ Dry Tropical Forest
☐ Mountain Temperature Forest
☒ Mountain SubTropical Forest
23. Tropical rainforest is an example of ? 2
☐ Conventional Energy Sources
☐ Renewable Energy Sources
☒ Biotic Natural Resources
☐ Abiotic Natural Resources
24. Which type of energy resources is never exhausting ? 2
☒ Solar energy ☐ Natural gas ☐ Petroluem ☐ Nuclear energy
25. What kind of biomass energy resources is ? 2
☒ Renewable sources
☐ Conventional Sources
☐ Alternative Sources
☐ Mordern Sources
26. Which option of the following is not a part of non-living resources ? 2
☐ Mines ☐ Metals ☒ Forest Life ☐ Glaciers
27. By using conventional sources of energy ? 2
☐ There was no pollution
☐ Pollution can be reduced
☒ Pollution can not be reduced
☐ All of Above



28. The example of renewable source of energy is ? 2
☐ Natural gas ☐ LPG ☐ CNG ☒ Wind Energy
29. The outermost part of earth is known as _____. 2
☐ Focus ☐ Inner Core ☒ Crust ☐ Outer Core
30. Due to which main reason deforestation occurs ? 2
☐ Depletion of ozone layer
☒ Human Activity
☐ Global Warming
☐ Green House Effect
31. In acid rain the water pH value is less than ? 2
☐ 10 ☐ 7 ☒ 5 ☐ 3
32. TDS (Total dissolved solid) in term is related with 2
☒ Water ☐ Air ☐ Glass ☐ Solid Waste
33. Photosynthesis is done by 2
☐ Insects ☐ Animals ☒ Plants ☐ Human
34. Give the name of gas produced by refrigeration and colour industries. 2
☒ CFC ☐ Nitrogen ☐ Oxygen ☐ Methane
35. Lithosphere consist of _____. 2
☒ Land ☐ Water ☐ Forest ☐ None of above
36. Unit for measuring sound pollution is _____. 2
☐ Hertz ☐ Frequency ☒ Decibel ☐ None of Above
37. What is approximate value of nitrogen gas in atmosphere ? 2
☐ 72% ☐ 22% ☐ 60% ☒ 78%
38. Landslides often occur in the following region 2
☐ desert ☐ Forest ☒ Hilly ☐ Sea
39. Which of the first link in food chain and food webs which prepares food with the help of solar rays. 2
☒ Plants ☐ Animals ☐ Bacteria ☐ Carnivorous Animal



40. What is approximately value of carbon dioxide gas in atmosphere ? 2
☐ 3% ☒ 0.03% ☐ 0.1% ☐ 10%
41. Which of the following is not an air pollutant ? 2
☒ Nitrogen gas ☐ Smoke ☐ Carbon Dioxide ☐ Sulphur Dioxide
42. What height the troposphere range from in km ? 2
☒ 0-11 ☐ 11-50 ☐ 50-85 ☐ 85-110
43. What is man in food chain ? 2
☐ Producer
☐ Primary Consumer only
☒ Primary and Secondary Consumer
☐ Secondary Consumer
44. Give the example of abiotic natural resources 2
☐ Plants ☐ Forest ☒ Rivers ☐ Wildlife
45. Radiation that does not change its direction inside magnetic field is 2
☐ alpha-rays ☐ X-rays ☒ Gamma-rays ☐ Beta-rays
46. What does the ozone layer absorbs ? 2
☐ Alpha-rays ☐ X-Rays ☐ Gamma-rays ☒ Ultraviolet Rays
47. What major important civilization have developed in ancient time ? 2
☐ At villages ☐ At metro cities ☒ On the bank of river ☐ in Hilly areas
48. How many % part of environment cover by troposphere 2
☐ 53 ☒ 75 ☐ 86 ☐ 95
49. Ozone is naturally produced in 2
☒ Stratosphere ☐ Mesosphere ☐ None of Above ☐ Troposphere
50. Which region of atmosphere touching earth surface ? 2
☒ Troposphere ☐ Stratosphere ☐ Mesosphere ☐ Thermosphere
51. Which of the following is not a natural resources ? 2
☐ Forest ☒ Plastic ☐ Water ☐ Minerals



52. Which gas is responsible for acid rain 2
☐ Oxygen ☒ Sulphur dioxide ☐ Argon ☐ Helium
53. Full form of GEDA ? 2
☐ Gujarat Energy Development Authority
☐ Gujarat Energy District Authority
☒ Gujarat Energy Development Agency
☐ None of Above
54. CFC gas was used as ? 2
☐ CNG ☐ PNG ☐ LPG ☒ Refrigerant
55. Screening, Flocculation, sedimentation are related to 2
☐ Treatment of air
☒ Treatment of water
☐ Treatment of Land
☐ Treatment of noise
56. Fossil Fuel is _____ . 2
☒ Non-Renewable Source
☐ Renewable Source
☐ Defective Source
☐ Everlasting Source
57. Deforestation is _____ . 2
☐ Cutting of grass
☐ Removeable pollution
☒ Cutting of trees
☐ Protective of trees
58. The sea level is increase due to 2
☐ Earthquake ☐ Deforestation ☐ Volcano ☒ Global Warming
59. Food chain consist of 2
☐ Carnivorous ☐ Herbivorous ☐ Producers ☒ All of Above
60. Components of Eco-System are ? 2
☒ Land ☐ Atmosphere ☐ River ☐ All of Them
61. Which is the component of environment ? 2
☐ Land ☐ Animal ☐ River ☒ All of them



62. Cuttings of trees will ? 2
- ☐ Increase Oxygen
 - ☒ Increase Carbon Dioxide
 - ☐ Increase Ammonia
 - ☐ Reduce Carbon Dioxide
63. Which of the following is not a green house gas (GHG) ? 2
- ☒ CO₂ ☐ CH₄ ☐ SO₂ ☐ CFC
64. Which is responsible for climate change ? 2
- ☐ Population Exploision
 - ☐ Desertification
 - ☐ Draughts and Famines
 - ☒ Hot and Cold Stream Ocean
65. What is the name of environment component formed by seas, rivers, lakes etc ? 2
- ☐ Atmosphere ☒ Hyrdosphere ☐ Biosphere ☐ Lithosphere
66. Plants are known as ? 2
- ☒ Primary Producers
 - ☐ Herbivorous animal
 - ☐ Carnivorous animal
 - ☐ Decomposer
67. idea behind forestation is 2
- ☐ Increase Beauty
 - ☒ Balance Ecosystem
 - ☐ Increase Income
 - ☐ Reduce Acid rain
68. The uppermost portion of the atmosphere is known is 2
- ☐ Troposphere ☐ Stratosphere ☐ Mesosphere ☒ Thermosphere
69. The portion of ozone is naturally maintained in _____. 2
- ☐ Troposphere ☒ Stratosphere ☐ Mesosphere ☐ Thermosphere
70. Due to which main reason deforestation occurs ? 2
- ☐ Global Warming
 - ☐ CFC gases
 - ☐ Reduction in global warming
 - ☒ Human Rehabilitation



71. If ____ DB of noise is falling on our ear drums repeatedly, the hearing power reduces. 2
☐ 15 ☒ 80 ☐ 110 ☐ 115
72. Human will make land 2
☒ Fertile ☐ Dirty ☐ Clean ☐ Polluted
73. Pollution is due to 2
☒ Urbanization ☐ Deforestation ☐ Afforestation ☐ Scanturies
74. Malaria is _____. 2
☐ Air related diseases
☐ Heat related disease
☐ Noise related disease
☒ Water related disease
75. Which of the component of the environment ? 2
☐ Water ☐ Land ☐ Animal ☒ All of Above
76. The sea level will increase due to 2
☐ Earthquake ☐ Deforestation ☐ Volcano ☒ Global Warming
77. For basic water, pH value is less than ? 2
☒ 10 ☐ 4 ☐ 5 ☐ 7

