

**FOUNDATION-III**  
**(ENVIRONMENTAL STUDIES)**

1. To which of these components do microorganisms fall into?  
[A] Chemical                              [B] Biological  
[C] Physical                                [D] None of the above
  
2. With the increase in human resources, the demand of environmental resources  
[A] Declines                                [B] Increases  
[C] Remains steady                        [D] None of the above
  
3. Over used environment involves  
[A] Scant vegetation                      [B] Polluted air and water  
[C] Nutrient poor soil                      [D] All of the above
  
4. Environmental education can be spread through  
[A] Educated individuals                [B] Educational institutions  
[C] Corporate Sector                      [D] All of the above
  
5. What determines the relationship between physical and biological components of the environment?  
[A] Nutrients inflow                      [B] Nutrients outflow  
[C] Both a and b                            [D] None of the above
  
6. Which amongst these do not constitute to the biological component of the environment?  
[A] Microbes                                [B] Aquatic fauna  
[C] Tides                                      [D] None of the above
  
7. Helium layer is confined to  
[A] troposphere                              [B] stratosphere  
[C] mesosphere                               [D] thermosphere

8. The photochemical activity is greatest at  
[A] the infra-red end [B] violet end  
[C] visible region [D] none of the above
9. Which of the following is not a physiographic factor?  
[A] Irregularities in earth's surface [B] Wind blowing  
[C] Elevation and slopes [D] Mountain ranges
10. The rate of photosynthesis is greater in  
[A] infra-red region [B] ultraviolet region  
[C] intermittent light [D] continuous light
11. What percent of solar radiation is used in photosynthesis?  
[A] 2% [B] 4%  
[C] 8% [D] 10%
12. Most of the clouds and the weather systems occur in  
[A] troposphere [B] thermosphere  
[C] mesosphere [D] exosphere
13. Soil erosion can be prevented by  
[A] grazing [B] removal of vegetation  
[C] afforestation [D] agriculture
14. Which of these defines field capacity?  
[A] Percentage of soil volume occupied by interstitial space  
[B] Mass of a unit volume of dry soil  
[C] Maximum amount of water a freely drained soil can hold  
[D] Weight of solid particles in a standard volume of dry soil

15. Ozone layer lies in
- [A] troposphere [B] thermosphere  
[C] stratosphere [D] mesosphere
16. Which of the following components of soil imparts to it most of the life sustaining attributes?
- [A] Organic matter [B] Living organisms  
[C] Water and gases [D] Humus
17. The largest amount of freshwater is found in
- [A] underground [B] polar ice and glaciers  
[C] lakes and streams [D] rivers
18. Conservation of energy leads to
- [A] decrease in pollution rate [B] decrease in cost rate  
[C] conservation of resources [D] all of the above
19. Man induced landslide occurs due to
- [A] deforestation [B] construction along hill slopes  
[C] mining along hill slopes [D] all of the above
20. The peak concentration of ozone is at
- [A] 10 km above the earth's surface [B] 50 km above the earth's surface  
[C] 25 km above the earth's surface [D] 20 km above the earth's surface
21. Which of these is not an ecosystem?
- [A] Forest [B] Desert  
[C] Aquatic [D] None of the above

22. Which of these is a tertiary consumer?  
[A] Fox [B] Hawk  
[C] Grasshopper [D] Frog
23. Energy when flows from one trophic level to the other  
[A] Increases [B] Remains Constant  
[C] Decreases [D] First increases then decreases
24. The study of individual organisms relationship with its environment is called  
[A] Ecology [B] Synecology  
[C] Monoecology [D] Autecology
25. The importance of ecosystem lies in  
[A] Cycling of materials [B] Flow of energy  
[C] Both of the above [D] None of the above
26. The complexity of any food web depends upon  
[A] Diversity of organisms in the system  
[B] Variety of population  
[C] Diversity in gene pool  
[D] All the above
27. Detritus food chain is a type of relation between organisms in which  
[A] Food chain goes from dead organic matter into microorganisms  
[B] Food chain goes from green plants to herbivores  
[C] Food chain goes from green plants to carnivores  
[D] None of the above
28. Green plants constitute of  
[A] First trophic level [B] Second trophic level  
[C] Third trophic level [D] Complete food chain

29. Energy flow in an ecosystem follows the following path
- [A] Decomposers → Carnivores → Herbivores → Producers
  - [B] Producers → Herbivores → Carnivores → Decomposers
  - [C] Herbivores → Producers → Carnivores → Decomposers
  - [D] Herbivores → Producers → Decomposers → Carnivores
30. Which of these is a newly known form of biological diversity?
- [A] Ecosystem diversity
  - [B] Genetic diversity
  - [C] Molecular diversity
  - [D] Species diversity
31. Endemic species represent those that
- [A] occur accidentally in an area
  - [B] are confined to a particular region
  - [C] are not confined to any region
  - [D] are distributed widely in different ecosystems
32. Who used the term 'hotspots' for the first time?
- [A] Anthony Campbell
  - [B] Thomas Lovejoy
  - [C] W.G. Rosen
  - [D] Sabina Virk
33. The Convention on International Trade in Endangered Species (CITES) was signed by 81 countries in which year
- [A] 1972
  - [B] 1975
  - [C] 1982
  - [D] 1986
34. Salim Ali Centre for Ornithology and Natural History is located at
- [A] Mumbai
  - [B] Chennai
  - [C] Coimbatore
  - [D] Thiruvananthapuram
35. Ecotone is
- [A] zone of least density in a community
  - [B] zone of transition between two communities
  - [C] zone of maximum diversity in a community
  - [D] zone of highest diversity in a community

36. Beta diversity is represented as
- [A] number of species inhabiting in a particular site
  - [B] difference in species complement between patches
  - [C] number of species inhabiting in a large area
  - [D] the entire biosphere
37. Shannon-Weaver index is used to indicate
- [A] Air pollution level            [B] Water pollution
  - [C] Biodiversity                    [D] Importance of a species
38. Deforestation rate is high in which area of the world?
- [A] Temperate zone                    [B] Boreal forests
  - [C] Tropical zone                      [D] Desert areas
39. After reaching to a new area, the process of successful establishment of the species as a result of adjustment with the conditions prevailing there is known as
- [A] migration                            [B] nudation
  - [C] ecesis                                 [D] aggregation
40. The timing of bird migration appears to be controlled by
- [A] geocentric lines of force which prompt the birds to migrate
  - [B] temperature suitable for breeding and nestling
  - [C] availability of food as less food will lead to starvation
  - [D] endocrine glands that respond to the changes in the length of the day
41. Which of the following can cause depletion of ozone?
- [A] H<sub>2</sub>S                                    [B] NO
  - [C] Smoke                                 [D] Aerosols
42. Increase in Carbon monoxide in air affects
- [A] Digestive system                    [B] Excretory system
  - [C] Respiratory system                 [D] Nervous system

43. The presence of which of the following gases in air checks the ultraviolet light from sunlight?
- [A] Sulphur dioxide                      [B] Ozone  
[C] Carbon dioxide                      [D] Nitrogen dioxide
44. Most poisonous pollutant in water is
- [A] arsenic                                      [B] zinc  
[C] phosphate                                  [D] Carbon dioxide
45. Automobile efflux containing tetraethyl lead hampers
- [A] Respiratory system                      [B] Nervous system  
[C] Digestive system                      [D] Haemoglobin formation
46. Noise pollution leads to
- [A] Impairment of hearing                      [B] Headache  
[C] High blood pressure                      [D] Low blood pressure
47. Acid rain is a rainfall having pH
- [A] greater than 5.5                      [B] equal to 5.5  
[C] less than 7                                  [D] greater than 7
48. Aitken particles are
- [A] cloud condensation nuclei  
[B] hygroscopic particles  
[C] activated in the presence of humid air  
[D] all of the above
49. Mercury is emitted into air by
- [A] coal fire                                      [B] burning garbage  
[C] steam engine                                  [D] burning coal

50. Which amongst these is the main cause of flood in India?
- [A] Overgrazing                      [B] Deforestation  
[C] Soil erosion                      [D] All of the above
51. Which amongst these affects the ozone layer abruptly?
- [A] SO<sub>2</sub>                                  [B] Smog  
[C] Chlorofluorocarbon              [D] Photochemical oxidants
52. 5<sup>th</sup> of June is celebrated as
- [A] World Population Day              [B] World Environment Day  
[C] World Disabled Day                [D] World Hygiene Day
53. Which amongst the following pollutants is produced by aeroplanes?
- [A] Smog                                  [B] Cinders  
[C] Fly ash                                [D] Aerosols
54. Vermicomposting is related to
- [A] degradation of biomedical waste  
[B] degradation of industrial waste  
[C] degradation of organic waste  
[D] degradation of inorganic waste
55. Which of the following is not a green house gas?
- [A] Carbon dioxide                      [B] CFC's  
[C] Carbon monoxide                    [D] None of the above
56. Sound becomes hazardous noise pollution at a level over
- [A] 60 decibels                          [B] 80 decibels  
[C] 100 decibels                         [D] 120 decibels



57. Newspaper contains a toxic chemical called
- [A] Cadmium [B] Mercury  
[C] Lead [D] Manganese
58. Which amongst these causes acid rains?
- [A] Release of  $\text{NO}_2$  and  $\text{SO}_2$  from burning of fossil fuels  
[B] Release of CO in atmosphere  
[C] Release of ammonia from industry  
[D] None of these
59. World Ozone Day is celebrated on
- [A] 05th of June [B] 1st of December  
[C] 16th of September [D] 22nd of April
60. 80% of pollution to the marine environment comes from
- [A] Land [B] Water  
[C] Air [D] None of the above
61. Which amongst these well defines zero population?
- [A] No immigration [B] No new births  
[C] No emigration [D] Equal share of gains and losses
62. With advances in science and technology, population growth curve assumed
- [A] S shape [B] J shape  
[C] L shape [D] None of the above
63. Which amongst these has contributed largely to rise in human population?
- [A] Polygamy [B] Decrease in infant mortality  
[C] Increase in birth rate [D] Decrease in old people mortality rate
64. World Hand Hygiene Day 2018 was celebrated on
- [A] 5<sup>th</sup> May [B] 1<sup>st</sup> December  
[C] 31<sup>st</sup> May [D] 30<sup>th</sup> January

65. At present, the world population is increasing at the rate of
- [A] 2% [B] 2.25%
- [C] 2.5% [D] 3%
66. HIV means
- [A] Human Immune Virus
- [B] Human Indole Virus
- [C] Human Immunodeficiency Virus
- [D] None of the above
67. Number of births per 1000 is
- [A] Reproduction rate [B] Conception rate
- [C] Birth rate [D] Crude birth rate
68. As per 2011 census, which state in India has the lowest population?
- [A] Sikkim [B] Goa
- [C] Tripura [D] Mizoram
69. The First International Conference on Human Rights held in 1968 is also known as
- [A] Geneva Conference [B] Vienna Conference
- [C] Tehran Conference [D] Beijing Conference
70. Who was the founder of International Committee of Red Cross
- [A] F. Lieber [B] Henry Dunant
- [C] Rousseau [D] E. Roosevelt
71. .Elisa Test is done to detect which of the following disease
- [A] Typhoid [B] AIDS
- [C] Leprosy [D] Bronchitis

72. The genes causing cancer are
- [A] Structural genes                      [B] Expressor genes  
[C] Oncogenes                              [D] Regulatory genes
73. Black foot disease is caused due to
- [A] HIV infection                          [B] Arsenic pollution  
[C] Lead pollution                         [D] None of the above
74. Population of an area under natural circumstances grows mainly due to
- [A] Birth rate                                [B] Immigration rate  
[C] Emigration rate                        [D] None of the above
75. Overpopulation causes
- [A] Depletion of natural resources      [B] Inadequate food facilities  
[C] Ecological imbalance                 [D] All of the above
76. Sex-ratio is measured by
- [A] Number of women amongst thousand men  
[B] Number of men amongst thousand women  
[C] Number of women amongst hundred men  
[D] Number of men amongst hundred men
77. Fluorosis can cause one of the following damages in human body parts
- [A] Nail and skin                            [B] Lungs and liver  
[C] Teeth and bones                        [D] Heart
78. The major objective of Family Welfare Programmes in India is
- [A] Disease control                         [B] Population growth rate control  
[C] Employment generation              [D] None of the above

79. What does the acronym ISDR stand for ?
- [A] International Significant Disaster Resources  
 [B] International Sustainable Development Report  
 [C] International Strategy for Disaster Reduction  
 [D] Intergovernmental Strategy for Developing Recreation
80. Most populous country in the world is
- [A] United States                      [B] India  
 [C] China                                 [D] Russia

**Answer Key**

<b>1</b>	<b>B</b>	<b>21</b>	<b>D</b>	<b>41</b>	<b>D</b>	<b>61</b>	<b>D</b>
<b>2</b>	<b>B</b>	<b>22</b>	<b>B</b>	<b>42</b>	<b>C</b>	<b>62</b>	<b>B</b>
<b>3</b>	<b>D</b>	<b>23</b>	<b>C</b>	<b>43</b>	<b>B</b>	<b>63</b>	<b>B</b>
<b>4</b>	<b>D</b>	<b>24</b>	<b>D</b>	<b>44</b>	<b>A</b>	<b>64</b>	<b>A</b>
<b>5</b>	<b>C</b>	<b>25</b>	<b>C</b>	<b>45</b>	<b>D</b>	<b>65</b>	<b>A</b>
<b>6</b>	<b>C</b>	<b>26</b>	<b>B</b>	<b>46</b>	<b>A</b>	<b>66</b>	<b>C</b>
<b>7</b>	<b>D</b>	<b>27</b>	<b>A</b>	<b>47</b>	<b>A</b>	<b>67</b>	<b>D</b>
<b>8</b>	<b>B</b>	<b>28</b>	<b>A</b>	<b>48</b>	<b>D</b>	<b>68</b>	<b>A</b>
<b>9</b>	<b>B</b>	<b>29</b>	<b>B</b>	<b>49</b>	<b>B</b>	<b>69</b>	<b>C</b>
<b>10</b>	<b>C</b>	<b>30</b>	<b>C</b>	<b>50</b>	<b>D</b>	<b>70</b>	<b>B</b>
<b>11</b>	<b>A</b>	<b>31</b>	<b>B</b>	<b>51</b>	<b>C</b>	<b>71</b>	<b>B</b>
<b>12</b>	<b>A</b>	<b>32</b>	<b>D</b>	<b>52</b>	<b>B</b>	<b>72</b>	<b>C</b>
<b>13</b>	<b>C</b>	<b>33</b>	<b>B</b>	<b>53</b>	<b>D</b>	<b>73</b>	<b>B</b>
<b>14</b>	<b>C</b>	<b>34</b>	<b>C</b>	<b>54</b>	<b>C</b>	<b>74</b>	<b>A</b>
<b>15</b>	<b>C</b>	<b>35</b>	<b>B</b>	<b>55</b>	<b>B</b>	<b>75</b>	<b>D</b>
<b>16</b>	<b>D</b>	<b>36</b>	<b>B</b>	<b>56</b>	<b>B</b>	<b>76</b>	<b>A</b>
<b>17</b>	<b>B</b>	<b>37</b>	<b>C</b>	<b>57</b>	<b>C</b>	<b>77</b>	<b>C</b>
<b>18</b>	<b>D</b>	<b>38</b>	<b>C</b>	<b>58</b>	<b>A</b>	<b>78</b>	<b>B</b>
<b>19</b>	<b>D</b>	<b>39</b>	<b>C</b>	<b>59</b>	<b>C</b>	<b>79</b>	<b>C</b>
<b>20</b>	<b>B</b>	<b>40</b>	<b>D</b>	<b>60</b>	<b>A</b>	<b>80</b>	<b>C</b>