

**BEST 201**

**1053**

**Even Semester Examination 2018-19**

**B.Tech. (SEMESTER-II)**

**(Common for All Branches)**

**ENVIRONMENTAL STUDIES**

**Time: 03:00 Hours**

**Max Marks : 50**

**Note: All questions are compulsory and carry equal marks.**

**[1 Each]**

1. Which of the following fuels causes minimum environmental pollution?
  - a) Coal
  - b) Hydrogen
  - c) Diesel
  - d) Kerosene
2. The biological decomposition of organic controlled conditions is known as :
  - a) Pyrolysis
  - b) Sanitary landfill
  - c) Incineration
  - d) Composting
3. 'Kyoto Protocol', an agreement signed by various countries, is associated with :
  - a) International Trade
  - b) Deep Sea Oil and Mineral Exploration
  - c) Clean Environment and Climate Change
  - d) Building common food stock to save human beings from any natural disaster
4. Which of the following is a biodegradable waste?
  - a) Nylon
  - b) Plastics
  - c) Wool
  - d) Polythene bags

5. Vermicomposting is done by
- a) fungus
  - b) bacteria
  - c) worms
  - d) animals
6. Medicine of quinine is provided by
- a) Eucalyptus Plant
  - b) Aconite plant
  - c) Cinchona plant
  - d) Money plant
7. The Zemu glacier which gives birth to the Teesta River is located in which of the following biosphere reserves?
- a) Manas Biosphere Reserve
  - b) Kaziranga Biosphere Reserve
  - c) Kanchenjunga Biosphere Reserve
  - d) Nokrek Biosphere Reserve
8. Torrey Canyon is famous for
- a) Gulf of War
  - b) Industries
  - c) Electric Potential
  - d) Oil spillage
9. Which among the following is the World's largest Wetland System?
- a) Camargue (France)
  - b) Okavango (Botswana)
  - c) Everglades (USA)
  - d) Pantanal (South America)
10. Which among the following is key faunal species that is being conserved and monitored in 'Dachigam National Park'?
- a) Musk Deer
  - b) Golden Oriole
  - c) Yellow-throated Marten
  - d) Hangul or Kashmir Stag
11. 'Lion-tailed macaque' is the key faunal species of which Biosphere Reserve?
- a) Nilgiri
  - b) Dehang-Debang
  - c) Dibru-Saikhowa
  - d) Nokrek
12. Dodo or *Raphus cucullatus*, a flightless bird which got extinct in the 17th century was endemic to which among the following countries?
- a) Sri Lanka
  - b) Mauritius
  - c) Maldives
  - d) India

13. Silent Valley National Park located in:
- Kerala
  - Madhya Pradesh
  - Andhra Pradesh
  - Chandigarh
14. Biofuels are fuels extracted from plants and crops and these have various advantages. These include
- Increasing agricultural diversity
  - Reduced use of fertilizers.
  - Renewable source of energy.
  - All of the above
15. The 'Red Data Book' is the documentation of rare and endangered species of
- Animals
  - Plants
  - Fungi
  - All of the above
16. Which among the following chronic lung disease, commonly known as 'black lung' disease, leads to reduced life expectancy in coal-miners?
- Pneumoconiosis
  - Progressive Massive Fibrosis
  - Mesothelioma
  - Collier's Asthma
17. Which among the following awards has been instituted by the Government of India for individuals or communities from rural areas that have shown extraordinary courage and dedication in protecting Wildlife?
- Indira Gandhi Paryavaran Puraskar
  - Medini Puruskar Yojana
  - Amrita Devi Bishnoi Award
  - Pitambar Pant National Award
18. POPs is
- Persistent oxidizing pollutants
  - Permanent organic pesticides
  - Persistent organic pesticides
  - Persistent organic pollutants
19. Which of the following enhance the frequency of earthquakes?
- Big Dams
  - Underground nuclear testing
  - Deep well disposal of liquid waste
  - All of the above

20. Which of the following is not influenced by human activities?
- Depletion of ground water
  - Destruction mangroves and wetlands
  - Increased extinction rate of species
  - None of the above
21. The tendency of pollutants to become concentrated in successive trophic levels is known as
- Bioremediation
  - Biomagnification
  - Biopiracy
  - Biorhythm
22. In an aquatic ecosystem, phytoplankton can be considered as
- Consumer
  - Producer
  - Saprotrophic organism
  - Macroconsumer
23. Which of the following terminologies is not associated with the vertical structure of forest?
- Canopy
  - Understory
  - Forest floor
  - First floor
24. Genetic variation between distinct populations of the same species is known as
- Species diversity
  - Ecosystem diversity
  - Genetic diversity
  - Biodiversity
25. Which of the following is a secondary air pollutant?
- Carbon monoxide
  - Sulphur dioxide
  - Ozone
  - Carbon dioxide
26. Soot particles come in air by
- Photochemical reaction
  - Volcanic eruption
  - Acid rain
  - Fuel combustion
27. Fluorosis is caused by the presence of high concentration of\_\_ in atmospheric air.
- Hydrogen sulphides
  - Hydrocarbons
  - Hydrogen flouride
  - Nitrogen dioxide

28. Most stable ecosystem is
- Forest
  - Desert
  - Ocean
  - Mountain
29. The Ecological pyramid that is always upright
- Pyramid of energy
  - Pyramid of biomass
  - Pyramid of number
  - None of these
30. 21st March is observed as
- World forest day
  - World environment day
  - World wildlife day
  - World population day
31. Sound becomes hazardous noise pollution at decibels
- Above 30
  - Above 80
  - Above 100
  - Above 120
32. Montreal protocol to reduce production of chlorofluorocarbons was assigned in
- 1985
  - 1986
  - 1987
  - 1982
33. Energy flow in an ecosystem is always:
- Unidirectional
  - Cyclic
  - Reversible
  - Multi-directional
34. Eutrophication is
- An improved water quality status of lakes
  - The result of accumulation of plant nutrients in water bodies
  - A process in the carbon cycle
  - A water purification technique
35. Which of the following regions in India is/are a biodiversity hotspot?
- Western Ghats
  - Eastern Ghats
  - Eastern Himalayas
  - Western Himalayas
- Select the correct answer.
- 1 and 2 only
  - 1 and 3 only
  - 1, 2 and 3 only
  - 2 and 4 only

36. Both power and manure is provided by:
- Nuclear plants
  - Thermal plants
  - Biogas plants
  - Hydroelectric plant
37. The net primary productivity of an ecosystem is
- The gross primary productivity minus plant respiration
  - The primary productivity at herbivore level
  - The primary at consumer level
  - The productivity at top consumer level minus at all levels
38. World's largest geothermal power plant is located in
- Hellisheidi, Iceland
  - Makiling-Banahaw complex, Phillipines
  - Lardarello complex, Italy
  - Geysers Complex, USA
39. The ultimate stable and culminating community in hydrarch and xerarch is :
- Reed swamp
  - Woodland
  - Forest
  - Lichen
40. In seed banks, seeds are preserved at very low temperature of  $-196^{\circ}\text{C}$  using:
- Ice
  - Freezing mixture
  - Liquid nitrogen
  - Ammonia
41. Which species was listed as extinct in 2019?
- Hawaiin Tree Snail
  - Sikkim Stag
  - Black Chinkara
  - Musk Deer
42. Pollutants emitted by jet planes are
- Aerosol
  - Smoke
  - Smog
  - Fog
43. The fungus that can decompose toxic compounds is
- White rot fungus
  - Bulbous honey fungus
  - Stone fungus
  - White brain jelly fungus