

CBCS Scheme

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First/Second Semester B.E Degree Examination, Dec.2017/Jan.2018

Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 40

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the forty questions, each question carries **ONE mark**.
2. Use only **Black ball point pen** for writing / darkening the circles.
3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.
4. Darkening two circles for the same question makes the answer invalid.
5. **Damaging/overwriting, using whiteners** on the **OMR** sheets are strictly prohibited.

1. The objective of environmental education is
 - a) Raise consciousness about environmental conditions
 - b) To teach environmentally appropriate behaviour
 - c) Create an environmental ethic
 - d) All of the above.
2. Which of the following is a biotic component of an ecosystem?
 - a) Fungi
 - b) Solar light
 - c) Temperature
 - d) humidity.
3. In complex ecosystems the degree of species diversity is
 - a) Poor
 - b) High
 - c) Medium
 - d) None.
4. Which of the following statement is false
 - a) Inorganic nutrients are recycled in an ecosystem
 - b) Energy "flows" through the ecosystem in the form of carbon-carbon bonds
 - c) Energy is recycled in an ecosystem
 - d) Respiration process releases energy.
5. In an ecosystem biological cycling of materials is maintained by
 - a) Procedure
 - b) Consumer
 - c) Decomposer
 - d) All of the above.

6. A predator is
a) An animal that is fed upon
b) An animal that feeds upon another animal
c) Animal that feeds upon both plants and animals
d) A primary consumer.
7. Ozone concentration is relatively more in
a) Mesosphere b) Stratosphere c) Staticsphere d) Atmosphere.
8. World environmental day is on
a) 5th May b) 5th June c) 15th June d) 15th May.
9. EIA can be expanded as
a) Environment of Industrial Act b) Environment Important Act
c) Environment Impact Assessment d) Economic Industrial Act.
10. Major purpose of most of the dams are
a) Power generation b) Drinking c) Flood control d) Irrigation.
11. Eutrophication is related to
a) Water b) Soil c) Air d) Land.
12. Water logging is effect of modern
a) Industries b) Agriculture c) Population d) Education.
13. Bioremediation means removal of contaminates by
a) Mining b) Super bugs c) Air d) Water.
14. Nitrate contamination causes
a) White baby syndrom b) Blue baby syndrom
c) Green baby syndrom d) Black baby syndrom
15. Out of the following nutrients in fertilizers which one causes minimum water pollution
a) Nitrogen b) Phosphorous c) Potassium d) Organic matter.
16. Fluorosis is caused due to
a) Chlorine b) Fluoride c) Feldspar d) Farming.
17. Hepatitis is caused by
a) Hepata worm b) Virus c) Amoeba d) Fungus.
18. Chernobyl disaster occurred in the year
a) 1986 b) 2006 c) 2011 d) 1947.

19. Fukushima disaster is a
 a) Heavy metal disaster
 b) Nuclear disaster
 c) Atom bomb disaster
 d) Pesticide disaster.
20. A country without a single nuclear power plant is
 a) China
 b) USA
 c) Australia
 d) France.
21. Which of the following is more ecofriendly source of producing energy
 a) Biogas
 b) Coal
 c) Fuel cells
 d) Hydel
22. Electromagnetic radiation can cause
 a) Plague
 b) Dengue
 c) Cancer
 d) Malaria.
23. Wind farms are located in
 a) River basin
 b) Plain areas
 c) Hilly areas
 d) Forest areas.
24. Natural gas contains
 a) Methane
 b) Oxygen
 c) Nitrogen
 d) Sulphur.
25. The source of electromagnetic radiation is
 a) Magnetics
 b) Electrons
 c) Sun
 d) Earth.
26. Which of the following sources is surface water
 a) Springs
 b) Streams
 c) Wells
 d) all.
27. Which of the following is an air pollutant
 a) CO
 b) O₂
 c) N₂
 d) all.
28. Smog in London was due to
 a) SO₂ and NO₂
 b) CO₂ and CO
 c) Methane and ethane
 d) Water and air.
29. Which of the following are Non-biodegradable
 a) Plastics
 b) Domestic sewage
 c) Detergent
 d) a and c
30. Endosulfan is a
 a) Organization
 b) Institution
 c) Pesticide
 d) River
31. Minamata disease is caused due to
 a) Lead
 b) Copper
 c) Mercury
 d) Arsenic.
32. World's single largest class of refugees is due to
 a) War
 b) Earthquake
 c) Tsunami
 d) Environmental degradation.

33. Noise pollution limits at airport area
a) 65dB b) 120dB c) 240dB d) 600dB.
34. Blaring sounds are known to cause
a) Metal distress b) Deafness
c) Neurological problems d) All the above.
35. Increase in asthma attacks has been linked to high levels of
a) Soil borne pesticides b) Air borne dust porticides
c) CO₂ d) Green house gases.
36. Population explosion will cause
a) Biodiversity b) Stress on the ecosystem
c) Better communication d) Energy storage.
37. The Protocol that reduces green house gas emissions are
a) Kyoto protocol b) Cartagena protocol
c) Montreal Protocol d) Delhi protocol.
38. Global warming could affect
a) Climate b) Increase in sea level c) Melting of glaciers d) All of the above.
39. Primary cause of acid rain around the world is due to
a) CO₂ b) CO c) SO₂ d) O₃.
40. Reduction in brightness and the famous Taj Mahal is due to
a) Global warming b) Green house gases
c) Ozone deflection d) Air pollution.
