

15CIV18/28

CBCS Scheme

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Question Paper Version : B

First/Second Semester B.E Degree Examination, Dec.2016/Jan.2017**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. BOD means,

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|------------------------------|---------------------------|
| a) Biochemical oxygen demand | b) Chemical oxygen demand |
| c) Biophysical oxygen demand | d) All of these |

2. Deforestation can,

- | | |
|---------------------------------|----------------------------|
| a) Increase the rain fall | b) Increase soil fertility |
| c) Introduce silt in the rivers | d) None of these |

3. Organic farming is,

- a) Farming without using pesticides and chemical fertilizers
- b) Enhances biodiversity.
- c) Promotes soil biological activity.
- d) All of these.

4. Chloro Fluro Carbon's (CFC) are,

- | | |
|---------------------|------------------|
| a) Non toxic | b) Non flammable |
| c) Non carcinogenic | d) All of these |

5. Which of the following statement is true?

- a) Green plants are self nourishing
- b) Producers depends on consumers
- c) Biotic components includes all non-living components
- d) Herbivores depend on Carnivores.

- B I -

6. Major purpose of most of the Dams around the world is,
 - a) Power generation
 - b) Drinking water supply
 - c) Flood control
 - d) Irrigation.
7. Major causes of deforestation are,
 - a) Shifting cultivation
 - b) Fuel requirements
 - c) Raw materials for industries
 - d) All of these
8. Smog is,
 - a) A natural phenomenon
 - b) Combination of smoke and fog
 - c) Colorless
 - d) All of these
9. Which of the following is not a Green house gas?
 - a) Hydro chloroflourocarbons
 - b) Methane
 - c) CO₂
 - d) SO₂
10. E.I.A can be expanded as,
 - a) Environment and Industrial Act
 - b) Environment and impact activities
 - c) Environment Impact Assessment
 - d) Environment Important Activity
11. The environmental (protection) act 1986 deals with:
 - a) Water
 - b) Air
 - c) Soil
 - d) All of these
12. The first of the major environmental protection act to be promulgated in India was:
 - a) The wild life protection act
 - b) The air act
 - c) The noise pollution act
 - d) None of these
13. The meaning of global warming is,
 - a) Increase in the temperature of climate
 - b) A planet hotter than earth
 - c) Solar radiation
 - d) Cooling effect
14. Biogas is produced by,
 - a) Microbial activity
 - b) Harvesting crop
 - c) Both (a) and (b)
 - d) None of these
15. Biomass consists of,
 - a) Lignin
 - b) Hemi cellulose
 - c) Cellulose
 - d) All of these
16. Petroleum based vehicles emit traces of,
 - a) CO and NO₂,
 - b) SPM
 - c) Aldehydes
 - d) CH₄
17. Urbanization is,
 - a) Local environmental issue
 - b) National environmental issue
 - c) Both (a) and (b)
 - d) Not at all an issue

18. Noise pollution limits in industrial area,
a) 45 dB
b) 80 dB
c) 65 dB
d) 90 dB
19. Ozone layers absorbs,
a) UV rays
b) Infrared rays
c) Cosmic rays
d) CO
20. Water logging is a phenomenon in which,
a) Crop patterns are related
b) Plant nutrients
c) Erosion of soil
d) None of these
21. The natural nitrogen cycle is upset due to,
a) Burning of fossil fuel
b) Modern agricultural practice of releasing excess fertilization.
c) Global warming
d) Biogas production
22. Which of the following are natural sources of air pollution?
a) Volcanic eruption
b) Solar flair
c) Earthquake
d) All of these
23. Air pollution from automobiles can be controlled by fitting, ⁴¹¹
a) Electrostatic precipitator
b) Wet scrubber
c) Catalytic converter
d) All of these
24. Both power and manure provided by,
a) Nuclear plants
b) Thermal plants
c) Biogas plants
d) Hydroelectric plants
25. Land conversion through burning of biomass releases,
a) O₂
b) CO
c) N₂
d) SO₂
26. The movement of carbon between _____ is called carbon cycle,
a) Atmosphere and biosphere
b) Atmosphere and hydrosphere
c) Geosphere and atmosphere
d) Biosphere, atmosphere, hydrosphere and geosphere
27. The ground water depends on,
a) Amount of rain fall
b) Geological formations
c) Run off
d) All of these
28. The important three minerals mined into the maximum extent are,
a) Coal, petroleum and mercury
b) Coal, Petroleum and Iron
c) Petroleum, Radium and Xenon
d) Helium, Xenon and Coal
29. Respiration and photosynthesis are the keywords related to,
a) Nitrogen cycle
b) Sulphur cycle
c) Carbon cycle
d) Hydrological cycle.

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30. Mining means,
a) To conserve and preserve minerals
b) To check pollutions due to mineral resources
c) To extract minerals and ones
d) None of these
31. The most important fuel used by nuclear power plant is,
a) V-235 b) V-238 c) V-245 d) V-248
32. The pH value of the acid rain water is,
a) 5.7 b) 7.0
c) 8.5 d) 7.5
33. Which of the following conceptual spheres of the environmental is having the least storage capacity for matter?
a) Atmosphere b) Lithosphere
c) Hydrosphere d) Biosphere
34. Biosphere is,
a) The solid shell of inorganic materials on the surface of the earth
b) The thin shell of organic matter on the surface of each comprising 'o4all the living things.
c) The sphere which occupies the maximum volume of all the spheres.
d) All of the above.
35. The earth's atmosphere is an envelope of gases present upto a height of about _____ kms.
a) 10 b) 200 c) 1000 d) 2000
36. Primary con
a) Herbivore b) Carnivores c) Macro consumers d) Omnivores
37. World environmental day is on,
a) 5th May b) 5th June c) 18th July d) 16th August
38. Green revolution is,
a) Crop variety improvements b) Increased use of fertilizers
c) Expansion of irrigation d) All of these
39. Environmental is the life support system that includes,
a) Air b) Water c) Land d) All o f these
40. The largest reservoir of nitrogen in our planet is,
a) Oceans b) Atmosphere c) Biosphere d) Fossil fuels