



10CIV18/28

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Question Paper Version : C

First/Second Semester B.E Degree Examination, June/July 2015
Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 50

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the fifty 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.

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1. Wind energy generation depends on
a) Direction of wind b) Velocity of wind c) Humidity d) precipitation.
 2. Which is the source of energy that can be replaced at the same rate at which it is used?
a) Coal b) petroleum c) Oil d) Biomass.
 3. Sulphur occurs in soil and rocks in the form of _____
a) Oxides of Zn & Fe b) Sulphates of Zn & Fe c) Nitrates of Zn & Fe
d) Sulphides of Zn & Fe
 4. Solar radiation consists of
a) UV b) Visible light c) Infrared d) All of these.
 5. The most important fuel used by nuclear power plant is
a) U - 235 b) U - 238 c) U - 245 d) U - 248.
 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. Which of the following statement is false
a) Soil erosion effects the productivity of agriculture fields
b) It takes 300 years for one inch of agricultural top soil to form
c) The amount of erosion depends on soil type, slope, drainage pattern and crop management practices.
d) Soil erosion help to retain water and nutrients in the root zone.



10CIV18/28

8. Plants use _____ has for photosynthesis.
a) Oxygen b) Methane c) Nitrogen d) Carbon dioxide.
9. The major objectives of family welfare programs in India is
a) Disease control b) population growth rate control
c) employment generation d) None of these.
10. The first International Earth Summit was held at
a) Johannesh burg b) Rio de Janeiro c) Kyoto d) Stockholm.
11. Which of the following is a producer in an ecosystem
a) plant and some bacteria capable of producing their own food b) Animals
c) Human beings d) Fish.
12. The basic requirements of human beings are provided by
a) Industrialization b) Agriculture c) Nature d) Urbanization.
13. E.I.A is related to
a) Resource conservation b) Efficient equipment/process c) Waste minimization.
d) All of the above
14. Which of the following are major environmental issues involved in mining?
a) Air pollution from dust b) Water pollution c) Soil degradation d) All of the above.
15. About _____ % of the earth's surface is covered by water
a) 53% b) 19% c) 71% d) 90%
16. Major causes of deforestation are
a) Shifting cultivation b) Fuel requirements c) Raw materials for industries
d) All of these.
17. Biogas is produced by
a) Microbial activity b) Harvesting crop c) Both a) & b) d) None of the above.
18. Which of the following is not a renewable source of energy
a) Fossil fuel b) Solar energy c) Tidal wave energy d) Wind energy.
19. The major automobile pollutants include
a) Co, NO_x, Hydrocarbons & SPM b) Co, NO_x, Hydrocarbons and CH₄
c) Co₂, NO_x, Hydrocarbons & SPM d) Co, NO_x, Freon's & SPM.
20. Increase in asthma attacks has been linked to high levels of
a) Nitrogen b) Air-borne dust particles c) Oxygen d) CO.
21. Which green house gas is known as colorless, non-flammable sweetish odor and laughing gas?
a) Methane b) Co₂ c) Nitrous oxide d) sulfur hexafluoride
22. The pH value of the acid rain water is
a) 5.7 b) 7.0 c) 8.5 d) 7.5



23. Which of the following is the purpose of animal husbandry?
a) Conservation of animal husbandry b) Production of meat
c) Conservation of wildlife d) Conservation of forests.
24. Bhopal Gas tragedy caused due to leakage of
a) Methyl Iso Cyanate (MIC) b) Sulfur dioxide c) Mustard gas d) Methane.
25. Which of the following is NGO:
a) Narmada Bachao Andolan b) CPCB c) KSPCB d) None.
26. Urbanization is
a) Local environmental issue b) National environmental issue
c) Both a) and b) d) Not at all an issue
27. Environmental protection is the fundamental duties of the citizen of India under the article.
a) 51 – A (g) b) 48 – A c) 47 d) 21.
28. Excess of iron in water is likely to cause
a) colour b) Taste c) hardness d) All of the above.
29. Which of the following environmental spheres has least storage capacity for matter?
a) Atmosphere b) Lithosphere c) Hydrosphere d) Biosphere.
30. Which of the following is a biotic component of an ecosystem
a) Fungi b) Solar light c) Temperature d) Humidity.
31. In complex ecosystem the degree of species diversity is
a) Poor b) High c) Medium d) None.
32. The process of movement of nutrients from soil by the acid rain is
a) Transpiration b) Evapo transpiration c) Leaching d) Infiltration
33. Ozone layer thickness is measured in
a) ppm b) ppb c) Decibels d) Dobson units.
34. Freon's are :
a) HFC b) CFC c) NFC d) Hydrocarbons.
35. The adverse effect of modern agriculture is
a) Water pollution b) Soil degradation c) Water logging d) All the above.
36. The most important remedy to avoid negative impact due to industrialization is
a) Industry should be closed b) Don't allow new Industrial units
c) Industry should treat all the wastes generated by it before disposal
d) Industries should be shifted far away from human habitats.
37. The permissible range of pH for drinking water as per the Indian standards is
a) 6 to 9 b) 6.5 to 7.5 c) 6 to 8.5 d) 6.5 to 8.5.