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Question Paper Version : B

First/Second Semester B.E. Degree Examination, June/July 2018
Environmental Studies
(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 30

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the thirty 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. Noise pollution is controlled by
a) Reducing the noise at the source
b) Preventing its transmission
c) Protecting the receiver
d) All of these
 2. LPG is a mixture of
a) N₂ and H₂S
b) CO₂ and N₂
c) Propane and butane
d) Methane and CO₂
 3. Direct conversion of solar energy is attained by
a) Solar photovoltaic cells
b) diesel hybrid system
c) Solar thermal system
d) None of these.
 4. Nuclear wastes are active for
a) 5 years
b) 10 years
c) 50 years
d) centuries
 5. Molasses from sugar industry is used to generate
a) Biodiesel
b) Hydrogen
c) Bioethanol
d) Biomethanol
 6. Demography is the study of
a) Animals behaviour
b) Population growth
c) Rivers
d) Forests

7. The major objectives of family welfare program is
a) Employment generation
b) Population growth and control
c) Disease control
d) None of these
8. Which green house gas is known as colorless, non flammable, sweetish odour and laughing gas?
a) Methane
b) CO₂
c) Nitrous oxide
d) SO₂
9. Nuclear fission reaction involves the bombardment of ²³⁵U by
a) Electrons
b) Neutrons
c) Protons
d) Alpha radiation
10. Remote sensor detects
a) Electromagnetic radiation
b) only visible radiations
c) only IR radiations
d) only UV radiations
11. The tiger conservation project was started in
a) 1973
b) 1975
c) 1981
d) 2000
12. Centre for science and environment is
a) Government organization
b) Non government organization
c) International body
d) None of these
13. The leader of "Chipko Movement" is
a) Sunderlal Bahuguna
b) Medha Patkar
c) Vandana Shiva
d) Mahatma Gandhi
14. GILO is a project associated with
a) Environment protection
b) Environment education
c) Women education
d) None of these
15. India has the largest share of which of the following?
a) Manganese
b) Mica
c) Copper
d) Silver
16. Physical pollution of water is due to
a) Dissolved oxygen
b) pH
c) Turbidity
d) None of these
17. Which of the following is the source of fly ash?
a) Vehicular exhaust
b) Sewage
c) Thermal power plant
d) All of these
18. The permissible range of pH for drinking water as per the Indian standard is
a) 6 to 9
b) 6.5 to 8.5
c) 6 to 8.5
d) 6.5 to 7.5

19. The sequence of eating and being eaten in an ecosystem is called
a) Food chain
b) Carbon cycle
c) Food web
d) hydrological cycle
20. In aquatic ecosystem phytoplankton can be considered as a
a) Consumer
b) Producer
c) Macro consumer
d) None of these
21. Ecological pyramids are studies of
a) Pyramid of Energy
b) Pyramid of numbers
c) Pyramid of biomass
d) all of these
22. E.I.A can be expanded as
a) Environment & Industrial act
b) Environment & Impact Activities
c) Environmental Impact Assessment
d) None of these
23. Water logging is a phenomena in which
a) Water patterns are rotated
b) Soil root zone becomes saturated due to over irrigation.
c) Erosion of soil
d) Soil degradation
24. The permissible limit of Lead in domestic portable water as per BIS is
a) 0.05 mg/L
b) 0.005 mg/L
c) 0.5 mg/L
d) 5 mg/L
25. Carbon cycle involves
a) Ammonia, nitrate and proteins
b) Carbon dioxide, water and energy
c) Sulphur dioxide, Sulphate & Proteins
d) Carbon, Nitrogen and Oxygen
26. Deforestation means
a) conservation of forest
b) destruction of forest
c) monocrop cultivation
d) decrease in agriculture
27. Blue baby syndrome is caused by the contamination of water due to
a) Phosphates
b) Sulphur
c) Arsenic
d) Nitrates
28. Excess fluorides in drinking water cause
a) Blue babies
b) Fluorosis
c) Beriberi
d) Rickets
29. Fixation of nitrogen is done by
a) Lightening
b) Fixing bacteria
c) Fertilizer factory
d) All of these
30. Recycled waste water can be used for
a) crop irrigation
b) landscape gardening
c) Replenishing fast depleting aquifers
d) All of these

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