



# CBCS SCHEME

17CIV18/28

First/Second Semester B.E Degree Examination, Jan./Feb. 2023

## 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.

- 
1. The term 'Environment' has been derived from the French word.  
a) Environ                      b) Okios                      c) Geo                      d) Aqua
  2. Which of the following is a biotic component  
a) Fungi                      b) Solar light                      c) Density                      d) All of these
  3. The sequence of Eating and being eaten in an ecosystem is  
a) Food chain                      b) Carbon cycle                      c) Hydrological cycle                      d) Anthro system
  4. The largest reservoir of nitrogen is  
a) Oceans                      b) Atmosphere                      c) Biosphere                      d) Fossil fuels
  5. The Abiotic component includes  
a) Soil                      b) Temperature                      c) Water                      d) All of these
  6. Primary consumers is  
a) Herbivores                      b) Carnivores                      c) Macro consumers                      d) Omnivores
  7. 'Earth day' is held every year on  
a) June 5<sup>th</sup>                      b) November 23<sup>rd</sup>                      c) April 22<sup>nd</sup>                      d) January 26<sup>th</sup>
  8. Organic Farming is  
a) Farming without using pesticides and fertilizers  
b) Enhances biodiversity  
c) Promotes soil biological activities  
d) All of the above

9. Plant use \_\_\_\_\_ gas for photosynthesis  
a) Oxygen                      b) Methane                      c) Nitrogen                      d) Carbon dioxide
10. Permissible range of  $P^H$  for drinking water as per Indian standards  
a) 6 – 9                      b) 6.5 – 7.5                      c) 6 – 8.5                      d) 6.5 – 8.5
11. Disfigurement in the teeth is caused by excessive amount of  
a) Mercury                      b) Nitrate                      c) Fluorides                      d) Lead
12. Solar radiation consists of  
a) uv                      b) visible light                      c) Infrared                      d) All of these
13. Bio mass consists of  
a) Lignin                      b) Hemi Cellulose                      c) Cellulose                      d) All of these
14. Nuclear power plant in Karnataka is at  
a) Bhadravathi                      b) Raichur                      c) Sandur                      d) Kaiga
15. Nuclear waste is active for  
a) 5 year                      b) 10 year                      c) 50 year                      d) Centuries
16. The ground water depends on  
a) Amount of rain fall  
b) Ecological formation  
c) Run off  
d) All of these
17. Smog is  
a) National phenomenon  
b) Combination of smoke and fog  
c) Colourless  
d) All of these
18. Pesticides causes  
a) Eye irritation                      b) Skin irritation                      c) Respiratory                      d) All of these
19. 'Minimate' decease cause due to  
a) Led                      b) Arsenic                      c) Mercury                      d) Cadmium
20. Which of the following has the high population density  
a) India                      b) USA                      c) China                      d) Europe
21. The meaning of global warming is  
a) A planet  
b) Increase in the temperature of climate  
c) Cooling effect  
d) solar radiation
22. Which of the following is an air pollutant?  
a) Carbon dioxide                      b) Oxygen                      c) Nitrogen                      d) Particulate matter

CMRIT LIBRARY  
BANGALORE - 560 037



23. Major pollutants from light petrol vehicles are  
a) Carbon monoxide and hydrocarbon  
b) Carbon monoxide and nitrogen oxide  
c) Methane and carbon dioxide  
d) All of these
24. Noise pollution range in residential area is  
a) 45 DB                      b) 80 DB                      c) 55DB                      d) 90 DB
25. Pyrolysis is defined as  
a) Thermal degradation of waste in absence of O<sub>2</sub>  
b) Thermal degradation of waste in presence of O<sub>2</sub>  
c) Storage of waste  
d) All of the above
26. The 3R's used in waste management are  
a) Remember – Reconstruct – Repeat  
b) Reduce – Remember – Recycle  
c) React – Regenerate – Retreat  
d) Reduce – Reuse – Recycle
27. Disposal method for non-infected waste [Drugs and chemical waste]  
a) Autoclave  
b) Pyrolysis  
c) Chemical treatment  
d) Physical treatment
28. Environmental [protection] act was enacted in the year  
a) 1986                      b) 1992                      c) 1984                      d) 1974
29. The Karnataka state pollution control board was established in the year  
a) 1974                      b) 1982                      c) 1986                      d) 1976
30. Environmental protection is the true fundamental duties of the citizens of India under the article  
a) 51 – A(g)                      b) 48 – A                      c) 47                      d) 21

\*\*\*\*\*