

B

# CBCS Scheme

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Question Paper Version : B

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

## Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 30

### 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. In water treatment, alum is used for  
a) Softening                       b) Coagulation                      c) Filtration                      d) Disinfection
  2. World Ozone day is being celebrated on  
a) September 5<sup>th</sup>                      b) October 15<sup>th</sup>                      c) September-11<sup>th</sup>                       d) September 16<sup>th</sup>
  3. Acid rain has been increasing day by day due to  
a) Urbanisation                      b) Industrialization                      c) Increase in vehicle population                      d) None of these
  4. Reduction in brightness of the famous Taj Mahal is due to  
a) Global warming                       b) Air pollution                      c) Ozone depletion                      d) Afforestation
  5. Primary cause of Acid rain around the World is due to  
a) Carbon-di-oxide                       b) Sulphur-di-xide                      c) Carbon-Monoxide                      d) Ozone
  6. Petroleum based vehicles emit tracer of  
a) CO & NO<sub>2</sub>                      b) SPM                       c) Aldehydes                      d) CH<sub>n</sub>
  7. Definition of Noise is  
a) Loud sound                       b) Unwanted sound                      c) Constant sound                      d) Sound on high frequency

8. Smog is  
 a) A natural phenomenon  b) Combination of smoke & fog   
 c) Colourless  d) All the above
9. The liquid waste from kitchen and bathroom is called  
 a) Sullage  b) Domestic sewage  c) Storm waste  d) Run off
10. BOD means  
 a) Bio chemical oxygen demand  b) Chemical oxygen demand   
 c) Bio – physical oxygen demand  d) All the above
11. Highest producer of oil and petroleum is  
 a) Middle East countries  b) America   
 c) China  d) India
12. Nuclear waste is active for  
 a) 5 year  b) 10 years  c) 50 years  d) Centuries
13. Nuclear power plant in Karnataka is located at  
 a) Bhadravathi  b) Sondur  c) Raichur  d) Kaiga
14. Direct conversion of solar energy is attained by  
 a) Solar photo voltaic system  b) Solar diesel hybrid system   
 c) Solar thermal system  d) Solar air heater
15. India has the largest share of which of the following  
 a) Manganese  b) Mica  c) Copper  d) Diamond
16. Forests prevent soil erosion by binding soil particles in their  
 a) Stems  b) Roots  c) Leaves  d) Buds
17. Which of the following is the most environmental friendly agriculture practice  
 a) using chemical fertilizers  b) using insecticides   
 c) organic farming  d) None of these
18. Mining means  
 a) To conserve minerals  b) To check pollution   
 c) To extract minerals and ores  d) None of these
19. Which of the following is absorbed by green plants from atmosphere  
 a) Carbon – di - oxide  b) Water  c) Nutrients  d) All of the above
20. Which atmospheric sphere is closest to earth surface  
 a) Troposphere  b) Stratosphere  c) Mesosphere  d) Exosphere
21. The largest reservoir of Nitrogen in our plant is  
 a) Oceans  b) Atmosphere  c) Biosphere  d) Fossil fuels

22. In an Ecosystem, the flow of energy is  
a) Bidirectional      b) Cyclic      ~~c) Unidirectional~~      d) Multidirectional
23. Which of the following conceptual spheres of the environment is having the least storage capacity for matter  
~~a) Atmosphere~~      b) Lithosphere      c) Hydrosphere      d) Biosphere
24. The term Environment has been derived from the French word Environ which means to encircle or surround.  
~~a) Environ~~      b) Oikes      c) Geo      d) Aqua
25. Remote sensing technique deals with the detection of recording of a selected portion of  
a) Emission spectrum      b) Light spectrum  
c) Photo spectrum      ~~d) Electro magnetic spectrum~~
26. RADAR stands for  
a) Radio & Distance Ranging      ~~b) Radio detection & Ranging~~  
c) Ranging & Detection Arrangement      d) Radio detection Recorder
27. Which is not a commonly using coding scheme for images  
a) JPEG      b) Gif      ~~c) MP3~~      d) Tiff
28. DBMS stands for  
~~a) Database Management System~~      b) Database Monitoring system  
c) Database Manufacturing system      d) Database Mixing station
29. GIS stands for  
a) Geostationary interact sector      ~~b) Geographical information system~~  
c) Geotechnical information society      d) Geothermal investigation site
30. Which State is having highest women literacy rate in India  
a) Karnataka      b) Punjab      c) Rajasthan      ~~d) Kerala~~

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