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**First/Second Semester B.E Degree Examination, June/July 2019**

## 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 \_\_\_\_\_ word.
 

a) Greek	b) French	c) Latin	d) Spanish
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2. Which of the following components of the environment are effective transporters of matter?
 

a) Atmosphere & Hydrosphere	b) Atmosphere & Lithosphere
c) Hydrosphere & Lithosphere	d) Biosphere & Lithosphere
3. Atmosphere consists of 78% Nitrogen and 21% Oxygen by
 

a) weight	b) density	c) volume	d) All of these
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4. In an ecosystem the flow of energy is
 

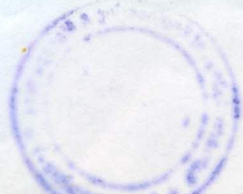
a) Unidirectional	b) Cyclic	c) Bidirectional	d) Multidirectional
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5. In an aquatic ecosystem phytoplankton can be considered as a
 

a) consumer	b) producer
c) saprotrophic organisms	d) macroconsumer
6. The World Environment day is on
 

a) 5 <sup>th</sup> May	b) 6 <sup>th</sup> October	c) 5 <sup>th</sup> June	d) 18 <sup>th</sup> July
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7. Which of the following is not the environmental effect of industrialization?
 

a) Solid waste	b) Water pollution	c) Air pollution	d) Economic growth
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8. Mining means
 

a) to conserve & preserve minerals	b) to extract minerals and ores
c) to check pollution due to mineral resources	d) None of these.



9. E. I. A can be expanded as  
a) Environment & Industrial Act  
b) Environment and Impact Activities  
c) Environment Impact Assessment  
d) Environmentally Important Activity
10. "Earth Day" is held every year on  
a) 22<sup>nd</sup> April  
b) 5<sup>th</sup> June  
c) 26<sup>th</sup> January  
d) 23<sup>rd</sup> November
11. Soil erosion removes surface soil which contains  
a) Organic matter  
b) Plant nutrients  
c) both (a) & (b)  
d) None of these
12. Organic farming is  
a) farming without using chemical, fertilizers and pesticides  
b) Enhances Biodiversity  
c) Promotes soil biological activity  
d) All of the above.
13. What is the percentage of forest cover a country should possess?  
a) 33%  
b) 23%  
c) 43%  
d) 13%
14. As per Indian standards what is the permissible range of pH for drinking water?  
a) 6 to 9  
b) 6.5 to 8.5  
c) 6 to 8.5  
d) 6.5 to 7.5
15. What is the maximum allowable concentration of fluorides in drinking water?  
a) 1.50 mg/litre  
b) 1.0 mg/litre  
c) 1.25 mg/litre  
d) 1.75 mg/litre
16. Excess of Nitrate in water causes  
a) Typhoid  
b) Cholera  
c) Blue baby disease  
d) Malaria
17. Conversion of nitrates into nitrogen is called  
a) Nitrification  
b) Nitrogen fixing  
c) Denitrification  
d) Reduction
18. Water borne disease is caused due to  
a) contaminated sewage for irrigation  
b) leaching of untreated faecal and urinary discharge into water bodies  
c) discharge of industrial waste water  
d) by eating contaminated food
19. Which of the following is not a renewable source of energy?  
a) Fossil fuels  
b) Solar energy  
c) Tidal wave energy  
d) Wind energy
20. Which of the following is the source of fly ash?  
a) Vehicular exhaust  
b) Sewage  
c) Thermal power plant  
d) None of these
21. Sound beyond which of the following level can be regarded as a pollutant?  
a) 40 dB  
b) 80 dB  
c) 120 dB  
d) 150 dB
22. Identify the non-renewable source of energy from the following :  
a) coal  
b) fuel cells  
c) wind power  
d) wave power



23. Air pollution from automobiles can be controlled by fitting  
a) Electrostatic precipitator                      b) Wet scrubber  
c) Catalytic converter                                d) All of these
24. Which of the following is not the effect of urbanization?  
a) Thermal pollution                                      b) Air pollution  
c) Noise pollution                                         d) Solid waste production
25. Environmental (protection) Act was enacted in the year  
a) 1992    b) 1984    c) 1986    d) 1974
26. The water (Prevention and Control of Pollution) Act was enacted in the year  
a) 1986    b) 1974    c) 1994    d) 2004
27. The first 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
28. Which of the following is NGO:  
a) Narmada Bachao Andolan                            b) CPCB  
c) KSPCB     d) None of these
29. An important NGO involved in Global environmental protection is  
a) UNICEF    b) Green Peace    c) WHO    d) CPCB
30. World summit on sustainable development was held at  
a) Johannesburg in 2002                                b) Kyoto in 1994  
c) Rio de Janeiro in 1992                              d) Stockholm in 2000

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