

UTU

324

B.Tech (Sem.- I)

**TES-101**

Odd Semester Examination, 2016

**ENVIRONMENTAL STUDIES**

Booklet Code

**'R'**

Question Booklet  
Number

100771

Roll No. 

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[Time : 2 Hours]

[Maximum Marks : 50]

**Instructions to the Examinee :**

1. Do not open the booklet unless you are asked to do so.
2. The booklet contains 50 questions. Examinee is required to answer all 50 questions in the OMR Answer-Sheet provided and not in the question booklet. All questions carry equal marks.
3. Examine the Booklet and the OMR Answer-Sheet very carefully before you proceed. Faulty question booklet due to missing or duplicate pages/questions or having any other discrepancy should be got immediately replaced.
4. Four alternative answers are mentioned for each question as - A, B, C & D in the booklet. The candidate has to choose the most correct answer and mark the same in the OMR Answer-Sheet as per the direction :

**Question :**

Q.1    (A) ●    (C)    (D)

Q.2    (A)    (B) ●    (D)

Q.3    (A) ●    (C)    (D)

*(fillable answers with cutting and over-writing or not filled circle will be considered)*

5. In case the candidate does not fill the appropriate circle in the OMR Answer-Sheet and leave blank, 'Zero' mark will be given.
6. The candidate has to mark answers on the OMR Answer-Sheet with black or blue ball point pen only carefully as per directions.
7. There will be no negative marking.
8. Examinee, please handover the original Answer-Sheet to the invigilator before leaving the examination hall. Candidate can carry Question Booklet with him.
9. Rough work, if any, should be done on the blank page provided for the purpose at the end of booklet.
10. Write your Roll Number and other required details in the space provided on the title page of the booklet and on the OMR Answer-Sheet with ball point pen. **Do not use lead pencil.**
11. To bring and use of log-book, calculator, pager and cellular phone in examination hall is prohibited.

1. The leader of the Chipko movement is :
  - (a) Sunderlal Bahuguna
  - (b) Medha Patkar
  - (c) Vandana Shiva
  - (d) Suresh Heblkar
2. Which state is having highest women literacy in India?
  - (a) Karnataka
  - (b) Punjab
  - (c) Rajasthan
  - (d) Kerala
3. Fluoride pollution mainly affects:
  - (a) Teeth
  - (b) Kidney
  - (c) Brain
  - (d) Heart
4. Which pollutant gas is released by cud-chewing cattle's/ruminants?
  - (a)  $CH_4$
  - (b)  $CO_2$
  - (c)  $NO_2$
  - (d) CO
5. The grasslands found in North America is known as :
  - (a) Tussocks
  - (b) Prairies
  - (c) Pampas
  - (d) Veldts
6. The environment which has been modified by human activities is called :
  - (a) Natural Environment
  - (b) Anthropogenic Environment
  - (c) Modern Environment
  - (d) Urban Environment
7. Pyramid of energy in ecosystem is:
  - (a) Inverted
  - (b) Upright
  - (c) Linear
  - (d) Both (a) and (b)
8. National Park provides protection to :
  - (a) Flora only
  - (b) Fauna only
  - (c) Entire ecosystem
  - (d) Both (a) and (b)

9. National 'Wildlife Protection Act' was enacted by our government to declare hunting as unlawful act in the year:
- 1979
  - 1962
  - 1982
  - 1972
10. Soil erosion is maximum in :
- Loam soil
  - Clavey soil
  - Sandy soil
  - Both (a) and (b)
11. What is CSE?
- Centre for Science and Ecology
  - Centre for Scientific Energy
  - Conventional Science and Environment
  - Centre for Science and Environment
12. ISO 18000 stands for :
- Health and Environment
  - Health and Safety
  - Health and Resource Management
  - Health and Wealth
13. Tropical Forest occur in India in :
- Jammu and Kashmir
  - Kerala and Assam
  - Rajasthan
  - Nowhere
14. ELISA test is used to detect :
- Cholera
  - Malaria
  - Tuberculosis
  - AIDS
15. BNHS stands for :
- Bombay Natural History Society
  - Biological Natural History Society
  - Biodiversity Natural History Society
  - Biological Diversity Natural History Summit

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19.

16. The ocean cover \_\_\_\_\_ percentage of Earth's surface.
- (a) 51 %
  - (b) 61 %
  - (c) 71 %
  - (d) 81 %
17. Official date of Earth Day is on :
- (a) April 22
  - (b) March 21
  - (c) May 22
  - (d) June 7
18. The area where all the living organisms interact with each other and their environment is :
- (a) Biosphere
  - (b) Exosphere
  - (c) Mesosphere
  - (d) Stratosphere
19. Which chemical was responsible for Bhopal gas tragedy?
- (a) Methyl Iso Cyanate
  - (b) Benzene Hexachloride
  - (c) Tri Nitro Toluene
  - (d) Methyl Carbide
20. Which gas is likely to be reduced in the atmosphere by deforestation?
- (a) Carbon dioxide
  - (b) Nitrogen
  - (c) Oxygen
  - (d) Sulfurdioxide
21. The portion of the earth and its environment which can support life is known as :
- (a) Crust
  - (b) Biosphere
  - (c) Exosphere
  - (d) Mesosphere
22. The intensity of earthquake is measured in :
- (a) Beaufort scale
  - (b) Richter scale
  - (c) Moh's scale
  - (d) Sorenson's Scale

23. World AIDS Day is recalled on :
- (a) 7 July
  - (b) 1 July
  - (c) 1 December
  - (d) 3 October
24. BOD/COD ratio will always be :
- (a) Equal to 1
  - (b) More than 1
  - (c) Less than 1
  - (d) None of these
25. Function of Ecosystem is :
- (a) Flow of water
  - (b) Flow of various gases
  - (c) Flow of chemical nutrients
  - (d) None of these
26. Pedology is the branch of science dealing with :
- (a) Animal
  - (b) Soil
  - (c) Rocks
  - (d) Water
27. Cryopreservation of plants seed and pollen is done at a very low temperature by using :
- (a) Liquid Nitrogen
  - (b) Ice
  - (c) Carbon Tetrachloride
  - (d) Ammonia
28. Good urban land management consists in :
- (a) Leaving large and depressions unfilled
  - (b) Growing broad green belts
  - (c) Creation of gardens and parks
  - (d) All of these
29. The concept of ecological pyramid was given by :
- (a) Charles Elton
  - (b) Warming
  - (c) Anon Kerner
  - (d) Mayor
- 30.
- 31.
- 32.
- 33.

30. The resources that can be replaced by natural ecological cycle is called :

- (a) Renewable
- (b) Non-renewable
- (c) Exhaustible
- (d) Natural

31. The most harmful of ultraviolet radiations are :

- (a) UV-C
- (b) UV-B
- (c) UV-A
- (d) All the above

32. World Environment Day is on :

- (a) 5<sup>th</sup> May
- (b) 5<sup>th</sup> June
- (c) 18<sup>th</sup> July
- (d) 22<sup>nd</sup> August

33. Nitrogen fixing bacteria exists in \_\_\_\_\_ of plants :

- (a) Leaf
- (b) Roots
- (c) Stem
- (d) Flower

34. Organic farming is :

- (a) Farming without using pesticides and chemical fertilizers
- (b) Enhances biodiversity
- (c) Promotes soil biological activity
- (d) All of the above

35. Which of the following is considered as an alternate fuel?

- (a) CNG
- (b) Kerosene
- (c) Coal
- (d) Petrol

36. Ozone layer is present on :

- (a) Troposphere
- (b) Stratosphere
- (c) Mesosphere
- (d) Thermosphere

37. Air pollution from automobiles can be controlled by fitting :

- (a) Electrostatic precipitator
- (b) Wet scrubber
- (c) Catalytic converter
- (d) All of the above

38. The conversion of ammonia to nitrate is known as :
- (a) Ammonification
  - (b) Nitrification
  - (c) Denitrification
  - (d) All of these
39. The historical monument that is affected by acid rain is :
- (a) Taj Mahal
  - (b) Pyramid of Egypt
  - (c) Pisa Tower
  - (d) Golden Temple
40. In which Indian state is Corbet National Park located ?
- (a) Madhya Pradesh
  - (b) Uttarakhand
  - (c) Kerala
  - (d) Tamil Nadu
41. Forest is an example of :
- (a) Marine ecosystem
  - (b) Limnic ecosystem
  - (c) Artificial Ecosystem
  - (d) Terrestrial Ecosystem
42. Study of inter-relationship between organisms and their environment is :
- (a) Ecology
  - (b) Ecosystem
  - (c) Phytogeography
  - (d) Ethology
43. Leader of 'Narmada Bachao Andolan' :
- (a) Vandana Siva
  - (b) Medha Patkar
  - (c) Menaka Gandhi
  - (d) Mayilamma
44. The conversion of ammonia to nitrate is known as :
- (a) Ammonification
  - (b) Nitrification
  - (c) Denitrification
  - (d) All of these
- 45.
- 46.
47. T  
d  
is  
(a  
(b  
(c  
(d

45. Which of the following greenhouse gases has the greatest heat-trapping ability per molecule?
- (a) Carbon dioxide
  - (b) Carbon monoxide
  - (c) Chlorofluorocarbon
  - (d) Methane
46. Which one of the following is the cleanest source of energy?
- (a) Hydropower
  - (b) Wind energy
  - (c) Fossil Fuel
  - (d) Nuclear-power
47. The least preferred technique in the disposal of municipal solid waste
- (a) incineration
  - (b) composting
  - (c) land filling
  - (d) bricketting
48. Acid rain is caused by :
- (a) CO and CO<sub>2</sub>
  - (b) SO<sub>2</sub> and O<sub>2</sub>
  - (c) SO<sub>2</sub> and NO<sub>2</sub>
  - (d) NO<sub>2</sub> and O<sub>2</sub>
49. Bacterial decomposition of biological material under aerobic condition is :
- (a) Fermentation
  - (b) Fertilization
  - (c) Contamination
  - (d) Composting
50. What will be the outcome of Eutrophication of surface waters?
- (a) Overproduction of biomass
  - (b) Decrease in nitrogen concentration
  - (c) Decrease in phosphorus concentration
  - (d) Decrease in both nitrogen and phosphorus concentrations.