CBCS SCHEME

BCS508

USN

Question Paper Version : B

Fifth Semester B.E./B.Tech. Degree Examination, Dec.2025/Jan.2026

Environmental Studies and E – Waste Management

Time: 1 hr.

Max. Marks: 50

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. What percentage of e-waste is typically recycled Globally?
   a) 10% b) 20% c) 40% d) 60%
2. What is the first step in the e-waste recycling process?
   a) Shredding b) Sorting c) Melting d) Crushing
3. Which component often contain valuable metals like Gold, Silver and Copper?
   a) Printed circuit boards b) Glass screens
   c) Plastic casing d) Power cords
4. What are the health hazards which can caused by e-waste?
   a) Lung cancer b) DNA Damage c) Brain d) All of these
5. Where should syringe Disposed?
   a) Pharma pail b) Sharps container c) Gray tote d) Red pail
6. Which is the hazardous pollutant which can caused by e-waste, released from electron?
   a) Arsenic b) Barium c) Cadmium d) Cobalt
7. Where should blood product pack to dispose?
   a) Gray totte/yellow pail b) Regular waste
   c) Pharma pail d) Red pail
8. Which one is Muncipal Solid Waste?
   a) Toxic b) Hazardous c) Non-Toxic d) Non-Hazardous
9. Nickel is released from _____
   a) Display b) Calculator c) Alloy d) None of these

10. Which is the hazardous pollutant occurs is plastic?
a) Lithium b) PCB's c) Lead d) Copper

11. Which of the following is an air pollutant?
a) Carbon b) Oxygen c) Nitrogen d) Particulate matter

12. Demography is the study of
a) Animals behaviour b) Population growth
c) River d) None of these

13. The urban solid waste is known as
a) Garbage b) Rubbish c) Refuge d) Silt

14. Activated sludge process is
a) Anaerobic method b) Aerobic method
c) Both a) and b) d) Land filling

15. Which toxic component not found in e-waste
a) Mercury b) Cadmium c) Neon d) Lead

16. Disposal of Bio-medical waste is by
a) Autoclave and land filling b) Incineration
c) Both a) and b) d) Landfilling

17. What does e-waste stands for
a) Environment waste b) Equipment waste
c) Electronic waste d) None of these

18. Which country producers maximum e-waste per year
a) India b) USA c) China d) France

19. What is the hazardous pollutant released in LED's?
a) Barium b) Arsenic c) Cobalt d) Cadmium

20. Under the E-Waste Management Rules 2016, who is responsible for the collection of e-waste from end-users
a) Retailer b) Manufacturers c) Bulk consumers d) Informal cycles

21. Blue baby syndrome is caused by contamination of water due to
a) Phosphates b) Sulphur c) Arsenic d) Nitrates

22. Major source of Flouride is
a) River water b) Ground water c) Food products d) Tooth paste

23. Out of the following Nutrients in Fertilizer which one causes minimum water pollution
a) Nitrogen b) Phosphorous c) Pottasium d) Organic matter

24. Excess fluorides in drinking water is likely to cause
a) Blue babies b) Fluorosis
c) Taste and odour d) Intestinal irritation

25. Disinfection of water is used to remove
a) Bacteria b) Odour c) Turbidity d) Colour

26. Brackish water is found in
a) Estuaries b) Salt lake c) Polar Ice caps d) Both a) and b)

27. Which one of the following is not a renewable energy?
a) Fossil Fuels b) Solar energy c) Wind energy d) Tidal wave energy

28. Natural gas consists mainly of
a) Ethane b) Propane c) Butane d) Methane

29. Which of the following is considered as an alternate promising Fuel?
a) CNG b) Kerosene c) Coal d) Petrol

30. Bio mass consists of
a) Lignin b) Hermicellulose c) Cellulose d) All of these

31. Which of the following conceptual spheres of the environment is having the least storage capacity of matter?
a) Atmosphere b) Lithosphere c) Hydrosphere d) Biosphere

32. In an eco-system, the flow of energy is
a) Bidirectional b) Cyclic c) Unidirectional d) Multi Directional

33. Which of the following is not a prominent Chemical responsible for a good habitat?
a) Oxygen b) Carbondioxide c) SO_2 d) Nutrients

34. In complex eco-systems, the degree of species Diversity is
a) Poor b) Medium c) High d) None of these

35. World Environment day is on
a) 5th May b) 5th June c) 18th July d) 14th August

36. Abiotic component includes
a) Soil b) Temperature c) Water d) All of these

37. The sequence of eating and being eaten in an ecosystem is
a) Food chain b) Carbon cycle c) Water cycle d) Anthropoco system

38. The organisms which directly feed on producer called
a) Herbivores b) Carnivores c) Ominivores d) Decomposer

39. In an eco-system biological cycling of materials is maintains by
a) Producer b) Consumer c) Decomposer d) All of these

40. Which pyramid is always upright
a) Energy b) Biomass c) Numbers d) Food chain

41. Nuclear power is being produced from
a) Carbon - 14 b) Uranium
c) Petroleum combustion d) Natural gas

42. 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

43. Pollutant waste water discharged from industries is known as
a) Effluent b) Sludge c) Pathogens d) Contaminant

44. Aanaerobiosis makes water
a) Clear b) Mudy c) Red d) Browinish or blackish

45. Which of the following is causes Entriphication
a) Nitrates b) Phosphates c) Heavy metals d) Both a) and b)

46. The word pollution is derived from the latin word
a) Pollute b) Pollutant c) Pollure d) Play- tant

47. Which of the following are non-bio degradable?
a) Plastics b) Domestic sewage c) detergent d) a) and c)

48. Which of the following is secondary air pollutant?
a) Carbon monoxide b) Ozone c) Sulphur dioxide d) Carbon dioxide

49. Minamata Disease is caused due to
a) Lead b) Arsenic c) Mercury d) Cadmium

50. Increase in asthma attacks has been linked to high level of
a) Nitrogen b) Oxygen c) Air-borne particles d) All of these

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