

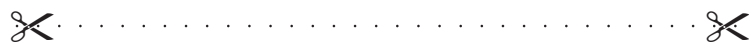
Subject Code **2123**

**ENVIRONMENTAL SCIENCE
(CORE-13)**

Question Booklet No. _____

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|--------------------------------|---|--|--------------------------|----------------------|
| Signature of Invigilator | To be filled in by candidate by ball-point pen only | OMR Sl. No. _____ | | |
| | Roll No. _____ | _____ | | |
| Time of Examination | Declaration : I have read and understood the instructions given below. | | | |
| Date of Examination | Full Signature of Candidate | <table border="1"><tr><td>Full Marks :80/50</td></tr><tr><td>Time : 1 hour</td></tr></table> | Full Marks :80/50 | Time : 1 hour |
| Full Marks :80/50 | | | | |
| Time : 1 hour | | | | |
| | Name of Candidate | | | |

Number of Questions in the Booklet } **50/40**



UU 6th Semester Examination, 2020

INSTRUCTIONS TO CANDIDATES

- Immediately after getting the booklet read instructions carefully mentioned on the front and back page of the Question Booklet. Do not open the seals unless asked by the Invigilator.
- Write your Roll No., OMR Response Sheet No., in the specified places given above and put your signature.
- Write the subject code of the booklet in your OMR Sheet.
- Make all entries in the OMR Response Sheet as per the given instructions; otherwise OMR Response Sheet will not be evaluated.
- After opening the seals, ensure that the Question Booklet contains total no. of pages as mentioned above and printing of all the **50/40** questions are proper. If any discrepancy is found, inform the invigilator within **15** minutes and get the correct Question Booklet.
- For each question in the Question Booklet choose the correct option from the given four alternatives and darken the same circle in the OMR Response Sheet with Black or Blue ball-point pen.
- Darken the circle of correct answer properly; otherwise answers will not be evaluated. The candidate will be fully responsible for it.
- If more than one option is darkened for a particular question, then it will be treated as wrong answer.
- After completion of the examination, only OMR Response Sheet is to be handed over to the invigilator.

THERE IS NO NEGATIVE MARKING FOR WRONG ANSWER

ENVIORNMENTAL SCIENCE (CORE-13)

(Answer any 25 questions)

- The two Greek terms of the term “ecology” are _____ and logos :
 - Oikos
 - Iokos
 - Okios
 - Koios
- The term for water loving is :
 - Hydrophobic
 - Hydrophilic
 - Hydrostatic
 - Hydrolytic
- Smog is the mixture of _____ and fog.
 - Smoke
 - Coke
 - Coal
 - Charcoal
- In ecology, DO stands for :
 - Deodorant
 - Dissolved Oxygen
 - Dissolved organic matter
 - Decarbonated Oxygen
- In Japan, Minamata disease was reported to be caused due to :
 - Cadmium
 - Mercury
 - Zinc
 - Nickel
- Which of the following is a water-borne disease?
 - Measles
 - COVID-19
 - Cholera
 - SARS
- Which of the following kills the harmful insects?
 - Weedicide
 - Rodenticide
 - Herbicide
 - Pesticide
- Algal blooming is caused due to :
 - Eutrophication
 - Ammonification
 - Bioaccumulation
 - Bioremediation
- Pedology is the study of :
 - Light
 - Rock
 - Soil
 - Temperature

10. Which is correct for hydrogen ion concentration?
- (A) PH
 - (B) ph
 - (C) pH
 - (D) Ph
11. CNG was first implemented at :
- (A) Hyderabad
 - (B) Punjab
 - (C) Mumbai
 - (D) Delhi
12. The unit of noise is :
- (A) Decibel
 - (B) Watt
 - (C) Joule
 - (D) Dalton
13. Which of the following is not degradable ?
- (A) DDT
 - (B) BHC
 - (C) Dieldrin
 - (D) Heptachlor
14. Coral is :
- (A) Plant
 - (B) Algae
 - (C) Coelenterate
 - (D) Sponge
15. Which of the following three parameters are used to judge air quality ?
- (A) SO_x, NO_x, SPM
 - (B) CO, CO₂, N₂O
 - (C) CO₂, N₂, NO₂,
 - (D) SO_x, SPM, CO₂
16. Where is NEERI situated ?
- (A) Kolkata
 - (B) Nagpur
 - (C) New Delhi
 - (D) Hyderabad
17. Which of the following are the units to express the concentration of air pollutant ?
- (A) ppm and mg /m³
 - (B) mg/m³ and m
 - (C) ppm and mm³
 - (D) ppm and m²
18. Which of the following is the example of fluoro-carbon ?
- (A) Arsenic
 - (B) Chloroform
 - (C) PAN
 - (D) Halon
19. Which of the following is the BPM (Biological Particulate Matter) ?
- (A) Pollen grain
 - (B) NO_x
 - (C) PAN
 - (D) SO₂

20. Which of the following is included under radioactive substance ?
- (A) CO
 - (B) H₂S
 - (C) Carbon - 14
 - (D) PPN
21. Which of the following is the vehicular exhaust ?
- (A) Hydrocarbons
 - (B) Methane
 - (C) Aldehydes
 - (D) Sulphur dioxide
22. Which of the following pollutants is responsible to reduce oxygen carrying capacity of blood ?
- (A) Phosgene
 - (B) CO
 - (C) H₂S
 - (D) Nitrogen oxide
23. Undesirable change of the environment causing harmful effect on organisms is :
- (A) Global Warming
 - (B) Ozone depletion
 - (C) Eutrophication
 - (D) Pollution
24. Which of the following is the secondary pollutant?
- (A) Peroxyacetyl nitrate(PAN)
 - (B) Nitrogen Oxide
 - (C) Sulphur dioxide
 - (D) Hydrocarbons
25. Which of the following is considered as economic poison ?
- (A) Toxic metals
 - (B) Pesticides
 - (C) Radioactive substances
 - (D) Noise
26. Which of the following heavy metals is injected in the atmosphere mainly from automobile exhaust ?
- (A) Lead
 - (B) Mercury
 - (C) Zinc
 - (D) Cadmium
27. The particulate matter smaller than 10 micron is :
- (A) Suspended particulates
 - (B) Dust fall
 - (C) H₂S
 - (D) CH₄
28. Thermal pollution is also known as :
- (A) Calcification
 - (B) Calefaction
 - (C) Siltation
 - (D) Radiation
29. Biomagnification in other term is known as
- (A) BOD
 - (B) COD
 - (C) Bioamplification
 - (D) Bioremediation

30. Ganga Action Plan was first initiated in :
- (A) 1985
 - (B) 1984
 - (C) 1983
 - (D) 1982
31. Which of the following is responsible for purifying domestic and industrial waste water ?
- (A) Banyan tree
 - (B) Eiehornia crassipes
 - (C) Aquatic grass
 - (D) Pseudomonas putida
32. The first biocide used on a large scale was :
- (A) DDT
 - (B) 2,4-D
 - (C) Gammexane
 - (D) Aldrin
33. Which of the following types of pollutions causes outbreak of jaundice ?
- (A) Air
 - (B) Thermal
 - (C) Water
 - (D) Land
34. Itai - itai (ouch-ouch) disease is caused by the posioning of :
- (A) Mercury
 - (B) Lead
 - (C) Chromium
 - (D) Cadmium
35. Among the following ,which are likely to have the highest concentration of DDT in the body ?
- (A) Phytoplankton
 - (B) Zooplankton
 - (C) Sea gull
 - (D) Eel
36. Which of the following system is affected by “Minamata disease” ?
- (A) Circulatory
 - (B) Respiratory
 - (C) Nervous
 - (D) Skeletal
37. In a polluted lake, The index of pollution is :
- (A) Frog
 - (B) Artenia
 - (C) Daphunia
 - (D) Acetabulavia
38. Eutrophic lakes are :
- (A) Rich in nutrients
 - (B) Poor in nutrients
 - (C) Rich in light
 - (D) Rich in oxygen
39. Sewage water can be purified for recycling with action of :
- (A) Micro organisms
 - (B) Fishes
 - (C) Aquatic Plants
 - (D) Floating Hydrophytes

40. Shallow lakes with rich organic products are called :

- (A) Heterotrophic
- (B) Eutrophic
- (C) Mesotrophic
- (D) Oligotrophic

