

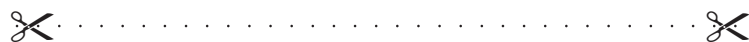
Subject Code **2124**

**ENVIRONMENTAL SCIENCE
(CORE-14)**

Question Booklet No.

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-14)

(Answer any 25 questions)

- Science which deal with the management of plants, animal, soil, water and mineral is :
 - Autecology
 - Synecology
 - Resource ecology
 - Phytosociology
- The most effective means of conservation is to
 - Remove Predators
 - Vaccinate against diseases
 - Preserve habitat
 - Census the species during the breeding season
- Mineral are :
 - Renewable resource
 - Non-renewable resource
 - Stock resource
 - Both (B) & (C)
- Which of the following are fossil fuels ?
 - Coal and Petrol
 - Electricity and Petrol
 - Coal and water
 - Diesel and sunlight
- Which of the following countries is the largest producer and consumer of natural gas ?
 - USA
 - USSR
 - GERMANY
 - JAPAN
- Nuclere energy is harnessed by :
 - Nucleus
 - Reactors
 - Solar cell
 - All of these (A),(B) and (C)
- Which of the following biogas is obtained for cooking ?
 - CO₂
 - CH₄
 - N₂
 - H₂
- The generation of biogas involves :
 - Ammonification
 - Nitrification
 - Decomposition
 - Denitrification
- Bio- diesel is mainly produced from :
 - Jatropha
 - Mollusca
 - Cowdung
 - Dry leaves

10. On which natural resource did Sundarlal Bahuguna emphasise ?
- (A) Petrol
 - (B) Jungle
 - (C) Wind
 - (D) Water
11. Chipko movement advocated the slogan of :
- (A) 3D
 - (B) 4E
 - (C) 5F
 - (D) 3C
12. The capacity for doing work is :
- (A) Work
 - (B) Mass
 - (C) Energy
 - (D) Density
13. Social forestry started during the year :
- (A) 1970
 - (B) 1976
 - (C) 1978
 - (D) 1982
14. The cultivation of forest trees or the management of woodland to produce timber is :
- (A) Agriculture
 - (B) Silviculture
 - (C) Pomoculture
 - (D) Tissueculture
15. Solid naturally occurring mineral aggregate of economic interest from which valuable constituents are recovered is :
- (A) Mineral
 - (B) Rock
 - (C) Quartz
 - (D) Ore
16. Haematite is :
- (A) Iron Ore
 - (B) Aluminium Material
 - (C) Mica
 - (D) Copper Ore
17. Energy and nutrients enter a community by way of the :
- (A) Producers
 - (B) Consumers
 - (C) Scavengers
 - (D) Detritivores
18. An Ecological pyramid of energy flow is often an inverted pyramid in which of the following system ?
- (A) Desert
 - (B) Ocean
 - (C) Tundra
 - (D) Rain forest
19. About how much of solar energy that falls in leaves of a plants is converted in to chemical energy ?
- (A) One percent
 - (B) 10 Percent
 - (C) 30 Percent
 - (D) 50 Percent

20. The Law of conservation of energy is the :
- (A) First Law of Thermo Dynamics
 - (B) Second Law of Thermo Dynamics
 - (C) Third Law of Thermo Dynamics
 - (D) Pascal's Law of Pressure
21. The change in the amount of energy in the form of heat liberated or absorbed by the system during physical or chemical changes is :
- (A) Enthalpy
 - (B) Entropy
 - (C) Respired Energy
 - (D) Assimilated Energy
22. Which of the following includes fossil fuels?
- (A) Coal, Petrol and Wood
 - (B) Petrol, Diesel and Fire wood
 - (C) Coal, Straw and Natural Gas
 - (D) Natural gas, Petroleum and Coal
23. Fossil fuels are formed from :
- (A) Organic deposits of Microbes
 - (B) Deposits of large plants
 - (C) Deposits of large animals
 - (D) Deposits of oil
24. The generation of bio-gas involves the process of :
- (A) Decalcification
 - (B) Ammonification
 - (C) Nitrification
 - (D) Decomposition
25. Biogas is composed of :
- (A) CH_4 , H_2 and N_2
 - (B) NH_3 , H_2 and N_2
 - (C) NH_3 , CO_2 and CO
 - (D) K_2O , NH_3 and NO
26. Utilisation of geothermal energy is possible in
- (A) Sea Coast
 - (B) Volcanic regions only
 - (C) Hot spring only
 - (D) Geysers, Hot springs and Volcanic regions
27. Which organisation is involved in power generation through wind ?
- (A) Hindustan Aeronautics Ltd, Bengaluru
 - (B) National Aeronautical Ltd, Bengaluru
 - (C) Wild life institute of India, Deheradun
 - (D) Wadia institute of Himalayan Geology, Uttar Pradesh
28. The chief products that forests supply is :
- (A) Rain
 - (B) Wood
 - (C) Coal
 - (D) Petroleum
29. How much geographical area of the country should be under forest as pre-National Forest Policy of 1952 ?
- (A) 1/5
 - (B) 1/8
 - (C) 1/2
 - (D) 1/3

30. The objective of green revolution was to :
- (A) Increase forest production
 - (B) Increase agricultural production
 - (C) Increase animal production
 - (D) Increase milk production
31. The place from which mineral are dug :
- (A) Mine
 - (B) Hills
 - (C) Mountain
 - (D) Crevices
32. Which of the following biomes has the deepest and richest soil ?
- (A) Tropical rain forest
 - (B) Temperate deciduous forest
 - (C) Tall grass prairie
 - (D) Tundra
33. Tropical Savanna differs from temperate grassland in that it has :
- (A) More perennial plants
 - (B) Deeper soil
 - (C) Scattered clumps of trees
 - (D) A higher water table
34. Latin meaning of forest is :
- (A) Out of doors
 - (B) Out of Residence
 - (C) Out of animals
 - (D) Out of water
35. The most important cause of soil pollution is:
- (A) Iron Junks
 - (B) Glass Junks
 - (C) Detergents
 - (D) Plastics
36. Which part of the human body is the first to be affected by nuclear radiations ?
- (A) Brain
 - (B) Lungs
 - (C) Liver
 - (D) Bone marrow
37. LPG is :
- (A) Renewable
 - (B) Non-Renewable
 - (C) A type of coal
 - (D) A type of forest
38. Natural Protection of soil is highly possible only :
- (A) Growing vegetation
 - (B) Putting stone on the surface
 - (C) Growing animal
 - (D) Arresting air flow
39. Mulching is related to :
- (A) Animal conservation
 - (B) Soil conservation
 - (C) Energy conservation
 - (D) Water conservation

40. Which of the following is the Universal Solvent ?

- (A) Water
- (B) Alcohol
- (C) Ethane
- (D) LPG

