

No. of Pages. 20

Code No.

Y – 3049

Register Number :

Time : 2 Hours

Name :

Max.Marks : 100

**Entrance Examination for Admission to the P.G. Courses in the
Teaching Departments, 2026**

CSS

ENVIRONMENTAL SCIENCE

GENERAL INSTRUCTIONS

1. The Question Paper is having 100 Objective Questions, each carrying one mark.
2. The answers are to be marked **only** in the “**OMR Sheet**” provided.
3. **Negative marking** : **0.25 marks** will be deducted for each wrong answer .

INSTRUCTIONS FOR FILLING THE OMR SHEET

- The OMR sheet should not be folded or crushed.
- Use only blue/black ball point pen to fill the circles.
- Use of pencil is strictly prohibited.
- Circles should be darkened completely and properly.
- Cutting and erasing on this sheet is not allowed.
- Do not leave any stray marks on the sheet.
- Do not use marker or white fluid to hide the mark.

• **WRONG METHODS**



CORRECT METHOD



DO NOT WRITE HERE

Choose appropriate answer from the options in the questions.

(100 × 1 = 100 marks)

1. Big bang theory explains evolution of ?

A. Atmosphere

B. Earth

C. Universe

D. Life

2. Father of Indian Space Programme _____.

A. Homi Bhaba

B. Rakesh Sharma

C. Vikram Sarabai

D. Abdul Kalam

3. The name not associated with Silent Valley movement _____.
- A. Sathish Chandran Nair B. John Jacob
C. V.S. Vijayan D. Vandana Siva
4. International Biodiversity Day is observed on _____.
- A. May 22 B. May 23
C. May 21 D. May 24
5. When was the Air Quality Index launched in India?
- A. 2010 B. 2014
C. 2018 D. 2020
6. Which of the following is the major contributor of carbon monoxide?
- A. Motor vehicle
B. Industrial processes
C. Stationary fuel combustion
D. None of the above
7. The Ghatampur Thermal Power plant recently approved by cabinet is to be setup in?
- A. Rajasthan B. Uttar Pradesh
C. Karnataka D. Madhya Pradesh
8. The Huge deposit of uranium is found recently in _____.
- A. Andhra Pradesh B. Karnataka
C. Kerala D. Tamil Nadu

9. Nagoya Protocol is an International treaty related to _____.
- A. Green house gas emission
 - B. Biosafety
 - C. Access to genetic resources and the fair and equitable sharing of benefits
 - D. Ozone emission
10. Which one of the following Indus city has provided evidence for extensive water storage system?
- A. Mohenjodaro
 - B. Lothal
 - C. Dholavira
 - D. Kalibangan
11. The most fertile soil in India _____.
- A. Red soil
 - B. Alluvial
 - C. Black soil
 - D. Laterite soil
12. The first wind farm of the Kerala state was set up in _____.
- A. Palakkad
 - B. Kozhikode
 - C. Thrissur
 - D. Idukki
13. HPLC stands for _____.
- A. High Power Liquid Chromatography
 - B. High Pressure Liquid Chromatography
 - C. High Pure Liquid Chromatography
 - D. High Performance Liquid Chromatography

14. The only floating national park in the world where Phumdis are found _____.
- A. Gulf of Mannar Marine National Park, Tamil Nadu
 - B. Keibul Lamjao
 - C. Marine National Park, Gujarat
 - D. Rani Jhansi Marine National Park, Andaman and Nicobar Islands
15. Which is the largest wet land in India?
- A. Ashtamudi
 - B. Sasthamkotta
 - C. Sunderbans
 - D. Chilka
16. Nuclear energy is a _____.
- A. Renewable sources of energy
 - B. Non-renewable sources of energy
 - C. Neither renewable nor non-renewable sources of energy
 - D. None of these option
17. The salinization can be defined as _____.
- A. Accumulation of salts in the body
 - B. Accumulation of salts in water
 - C. Accumulation of salts in animals
 - D. Accumulation of salts in the soil
18. Who coined the term 'Biodiversity'?
- A. Frankel
 - B. Darwin
 - C. Norse
 - D. Walter G. Rosen
19. The power generated in windmill _____.
- A. Depends on the tower height
 - B. Depends on wind velocity
 - C. Depends on air temperature
 - D. Depends on the trees surrounding it

20. Which event occurred last on Early Earth?
- A. Ozone formation
 - B. U.V. acting on water to form oxygen and hydrogen
 - C. CO₂ release from molten earth
 - D. NH₃ release from molten earth
21. The environmentalist who was involved in Tehri Dam Conflict _____.
- A. Pandurang Hedge
 - B. Rajendra Singh
 - C. Sunderlal Bahuguna
 - D. Medha Patekar
22. What is the main purpose of adding chlorine during water treatment?
- A. To remove suspended solids
 - B. To reduce hardness
 - C. To remove odor
 - D. Disinfection
23. The state with largest number of Ramsar Sites in India _____.
- A. Punjab
 - B. Madhya Pradesh
 - C. Uttar Pradesh
 - D. Kerala
24. In the Red Data Book, Amber colour code represents _____ species.
- A. Formerly endangered
 - B. Least concern
 - C. Rare
 - D. Vulnerable
25. Which of the following particles is called the particulate pollutants?
- A. Ozone
 - B. Radon
 - C. Fly ash
 - D. Ethylene
26. How many pollutants are considered in the National Air Quality Index (India)?
- A. 5
 - B. 6
 - C. 7
 - D. 8

33. India's first Mobile App to assess individual carbon footprint _____.
- A. Carbon Calculator B. Carbon recorder
C. Carbon Watch D. Carbon indicator
34. CNG is a _____.
- A. Polluted fuel B. Clean fuel
C. Harmful fuel D. Cheap fuel
35. What is the primary gas produced from the decomposition of waste in landfills?
- A. Oxygen B. Nitrogen
C. Methane D. Hydrogen
36. The head quarters of UNESCO _____.
- A. New York, USA B. Paris, France
C. Vienna, Austria D. Geneva, Switzerland
37. In which year, Environment (Protection) Act was enacted?
- A. 1985 B. 1986
C. 1995 D. 1996
38. Which stage of EIA involves the identification of potential environmental impacts?
- A. Screening B. Scoping
C. Impact analysis D. Mitigation

39. Both temporary and permanent hardness of water can be removed by _____.
- A. Boiling
B. Distillation
C. Filtration
D. Decantation
40. A microbe widely used in the removal of industrial wastes _____.
- A. *Pseudomonas putida*
B. *Bacillus sp.*
C. *Trichoderma sp.*
D. *Aspergillus niger*
41. The most polluted country in the world _____.
- A. Bangladesh
B. Pakistan
C. India
D. Sri Lanka
42. Which among the following is related to Protection of Ozone layer?
- A. Kyoto protocol
B. Vienna convention
C. Geneva protocol
D. Cartagena protocol
43. Calgon is used for the removal of _____.
- A. Sodium carbonate
B. Permanent hardness of water
C. Potassium carbonate
D. None of these
44. Rust of iron is nothing but _____.
- A. Fe^2O^3
B. FeO
C. Fe_3O_4
D. Fe
45. A synthetic chemical, that is foreign to the body or to an ecological system _____.
- A. Drugs
B. Xenobiotics
C. Biotoxins
D. Hazardous chemicals

52. Veteran Environmentalist Sunderlal Bahuguna, is related to _____.
- A. Baliyapal Movement B. Bishnoi Movement
C. Chipko Movement D. None of the above
53. Which is the Greenest city in India?
- A. Bangalore B. Chennai
C. Chandigarh D. Gandhinagar
54. What is the major source of thermal pollution in water bodies?
- A. Sewage treatment plants B. Agricultural runoff
C. Power plants (cooling water) D. Mining activities
55. Which is not naturally occurring green house gas?
- A. CFC B. Ethane
C. Methane D. CO₂
56. These entities sequester most carbon from the atmosphere _____.
- A. Plants B. Archaea
C. Bacteria D. Insects
57. The protocol which decided to completely phase out CFC is _____.
- A. Cartagena protocol B. Stockholm Convention
C. Montreal protocol D. Kyoto protocol
58. What does EIA stand for?
- A. Environmental Information Assessment
B. Environmental Impact Assessment
C. Ecological Impact Analysis
D. Environmental Intervention Analysis

65. Lincoln index measures _____.
- A. Population mortality rate B. Population natality rate
C. Population size D. Population density
66. The process of accumulation of harmful chemicals in higher trophic levels is called
- A. Eutrophication B. Bio-accumulation
C. Bio-magnification D. Bio-remediation
67. Which of the following state in India is called the "Tiger State"?
- A. Andhra Pradesh B. Madhya Pradesh
C. Assam D. Gujarat
68. The year declared as the "water year" by the Indian Government is _____.
- A. 2010 B. 2005
C. 2006 D. 2007
69. Which among the following area in India has the largest number of endemic plant species?
- A. Himalayan Region B. Malabar Region
C. Gangetic Plains D. Western Ghats
70. How many number of the Bio-geographic zones are present in India?
- A. 4 B. 8
C. 10 D. 15

71. As per recent survey, which of the following pollutants has been highly responsible for the pollution of groundwater in the Indo-Gangetic Basin?
- A. Arsenic
B. DDT
C. Detergents
D. Landfills
72. Name the group of species which exploit the abiotic and biotic resources in a similar way?
- A. Guild
B. Ecads
C. Biomes
D. Community
73. Water present in the soil that can be utilized by the plants
- A. Chresard
B. Humus
C. Gravitational Water
D. Capillary water
74. Which of the following gas destroys the chlorophyll present in the plant leaves?
- A. SO_3
B. H_2S
C. SO_2
D. CO_2
75. Which of the following country has the maximum number of tube wells in the world?
- A. China
B. America
C. Japan
D. India
76. Herpetology is the branch of zoology that is related with _____.
- A. the study of mammals
B. the study of fishes
C. the study of amphibians and reptiles
D. none of the above

ROUGH WORK

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