

Test Paper : III  
Test Subject : ENVIRONMENTAL SCIENCE  
Test Subject Code : K-2914

Test Booklet Serial No. : \_\_\_\_\_

OMR Sheet No. : \_\_\_\_\_

Roll No. 

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(Figures as per admission card)

Name & Signature of Invigilator/s

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Name : \_\_\_\_\_

Name : \_\_\_\_\_

Paper : III

Subject : ENVIRONMENTAL SCIENCE

Time : 2 Hours 30 Minutes

Maximum Marks : 150

Number of Pages in this Booklet : 16

Number of Questions in this Booklet : 75

**ಅಭ್ಯರ್ಥಿಗಳಿಗೆ ಸೂಚನೆಗಳು**

- ಈ ಪುಟದ ಮೇಲ್ಭಾಗದಲ್ಲಿ ಒದಗಿಸಿದ ಸ್ಥಳದಲ್ಲಿ ನಿಮ್ಮ ರೋಲ್ ನಂಬರನ್ನು ಬರೆಯಿರಿ.
- ಈ ಪತ್ರಿಕೆಯು ಬಹು ಆಯ್ಕೆ ವಿಧದ ಎಪ್ಪತ್ತೈದು ಪ್ರಶ್ನೆಗಳನ್ನು ಒಳಗೊಂಡಿದೆ.
- ಪರೀಕ್ಷೆಯ ಪ್ರಾರಂಭದಲ್ಲಿ ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯನ್ನು ನಿಮಗೇನಿಡಲಾಗುವುದು. ಮೊದಲ 5 ನಿಮಿಷಗಳಲ್ಲಿ ನೀವು ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯನ್ನು ತೆರೆಯಲು ಮತ್ತು ಕೆಳಗಿನಂತೆ ಕಡ್ಡಾಯವಾಗಿ ಪರೀಕ್ಷಿಸಲು ಕೋರಲಾಗಿದೆ.  
(i) ಪ್ರಶ್ನೆಪತ್ರಿಕೆಗೆ ಪ್ರವೇಶಾಪಕ ಪಡೆಯಲು, ಈ ಹೊದಿಕೆ ಪುಟದ ಅಂಚಿನ ಮೇಲಿರುವ ಪೇಪರ್ ಸೀಲನ್ನು ಹರಿಯಿರಿ. ಸ್ವಿಚ್ ಸೀಲ್ ಇಲ್ಲದ ಪ್ರಶ್ನೆಪತ್ರಿಕೆ ಸ್ವೀಕರಿಸಬೇಡಿ. ತೆರೆದ ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯನ್ನು ಸ್ವೀಕರಿಸಬೇಡಿ.  
(ii) ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯಲ್ಲಿನ ಪ್ರಶ್ನೆಗಳ ಸಂಖ್ಯೆ ಮತ್ತು ಪುಟಗಳ ಸಂಖ್ಯೆಯನ್ನು ಮುಖಪುಟದ ಮೇಲೆ ಮುದ್ರಿಸಿದ ಮಾಹಿತಿಯೊಂದಿಗೆ ತಾಳಿ ನೋಡಿರಿ. ಪುಟಗಳು/ಪ್ರಶ್ನೆಗಳು ಕಾಣೆಯಾದ, ಅಥವಾ ದ್ವಿಪ್ರತಿ ಅಥವಾ ಅನುಕ್ರಮವಾಗಿಲ್ಲದ ಅಥವಾ ಇತರ ಯಾವುದೇ ವ್ಯತ್ಯಾಸದ ದೋಷಪೂರಿತ ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯನ್ನು ಕೂಡಲೇ ನಿರಾಕರಿಸಿ ಅದನ್ನು ಬಿಟ್ಟು, ಸಂವಿಧಾನದಿಂದ ಸರಿ ಇರುವ ಪ್ರಶ್ನೆಪತ್ರಿಕೆಗೆ ಬದಲಾಯಿಸಿಕೊಳ್ಳಬೇಕು. ಆ ಬಳಿಕ ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯನ್ನು ಬದಲಾಯಿಸಲಾಗುವುದಿಲ್ಲ. ಯಾವುದೇ ಹೆಚ್ಚು ಸಮಯವನ್ನೂ ಕೊಡಲಾಗುವುದಿಲ್ಲ.
- ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ (A), (B), (C) ಮತ್ತು (D) ಎಂದು ಗುರುತಿಸಿದ ನಾಲ್ಕು ಪರ್ಯಾಯ ಉತ್ತರಗಳಿವೆ. ನೀವು ಪ್ರಶ್ನೆಯ ಎದುರು ಸರಿಯಾದ ಉತ್ತರದ ಮೇಲೆ, ಕೆಳಗೆ ಕಾಣಿಸಿದಂತೆ ಅಂಡಾಕೃತಿಯನ್ನು ಕಪ್ಪಾಗಿಸಬೇಕು.  
ಉದಾಹರಣೆ: 

A	B	C	D
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(C) ಸರಿಯಾದ ಉತ್ತರವಾಗಿದ್ದಾಗ.
- ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಗಳನ್ನು, ಪತ್ರಿಕೆ III ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯೊಳಗೆ ಕೊಟ್ಟಿರುವ OMR ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಮಾತ್ರವೇ ಸೂಚಿಸತಕ್ಕದ್ದು. OMR ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿನ ಅಂಡಾಕೃತಿ ಹೊರತುಪಡಿಸಿ ಬೇರೆ ಯಾವುದೇ ಸ್ಥಳದಲ್ಲಿ ಗುರುತಿಸಿದರೆ, ಅದರ ಮೌಲ್ಯಮಾಪನ ಮಾಡಲಾಗುವುದಿಲ್ಲ.
- OMR ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಕೊಟ್ಟ ಸೂಚನೆಗಳನ್ನು ಜಾಗರೂಕತೆಯಿಂದ ಓದಿ.
- ಎಲ್ಲಾ ಕರಡು ಕೆಲಸವನ್ನು ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯ ಕೊನೆಯಲ್ಲಿ ಮಾಡತಕ್ಕದ್ದು.
- ನಿಮ್ಮ ಗುರುತನ್ನು ಬಹಿರಂಗಪಡಿಸಬಹುದಾದ ನಿಮ್ಮ ಹೆಸರು ಅಥವಾ ಯಾವುದೇ ಚಿಹ್ನೆಯನ್ನು, ಸಂಗತವಾದ ಸ್ಥಳ ಹೊರತು ಪಡಿಸಿ, OMR ಉತ್ತರ ಹಾಳೆಯ ಯಾವುದೇ ಭಾಗದಲ್ಲಿ ಬರೆಯಬೇಡಿ, ನೀವು ಅನರ್ಹತೆಗೆ ಬಾಧ್ಯರಾಗಿರುತ್ತೀರಿ.
- ಪರೀಕ್ಷೆಯು ಮುಗಿದನಂತರ, ಕಡ್ಡಾಯವಾಗಿ OMR ಉತ್ತರ ಹಾಳೆಯನ್ನು ಸಂವಿಧಾನದಂತೆ ನೀವು ಹಿಂತಿರುಗಿಸಬೇಕು ಮತ್ತು ಪರೀಕ್ಷಾ ಕೊಠಡಿಯ ಹೊರಗೆ OMR ನ್ನು ನಿಮ್ಮೊಂದಿಗೆ ಕೊಂಡೊಯ್ಯಿ ಕೂಡದು.
- ಪರೀಕ್ಷೆಯ ನಂತರ, ಪರೀಕ್ಷಾ ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯನ್ನು ಮತ್ತು ನಕಲು OMR ಉತ್ತರ ಹಾಳೆಯನ್ನು ನಿಮ್ಮೊಂದಿಗೆ ತೆಗೆದುಕೊಂಡು ಹೋಗಬಹುದು.
- ನೀಲಿ/ಕಪ್ಪು ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್ ಮಾತ್ರವೇ ಉಪಯೋಗಿಸಿರಿ.
- ಕ್ಯಾಲ್ಕುಲೇಟರ್ ಅಥವಾ ಲಾಗ್ ಟೇಬಲ್ ಇತ್ಯಾದಿಯು ಉಪಯೋಗವನ್ನು ನಿಷೇಧಿಸಲಾಗಿದೆ.
- ಸರಿ ಅಲ್ಲದ ಉತ್ತರಗಳಿಗೆ ಋಣ ಅಂಕ ಇರುವುದಿಲ್ಲ.

**Instructions for the Candidates**

- Write your roll number in the space provided on the top of this page.
- This paper consists of seventy five multiple-choice type of questions.
- At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below :  
(i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet without sticker-seal and do not accept an open booklet.  
(ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given.
- Each item has four alternative responses marked (A), (B), (C) and (D). You have to darken the oval as indicated below on the correct response against each item.  
**Example :**

A	B	C	D
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where (C) is the correct response.
- Your responses to the question of Paper III are to be indicated in the OMR Sheet kept inside the Booklet. If you mark at any place other than in the ovals in OMR Answer Sheet, it will not be evaluated.
- Read the instructions given in OMR carefully.
- Rough Work is to be done in the end of this booklet.
- If you write your name or put any mark on any part of the OMR Answer Sheet, except for the space allotted for the relevant entries, which may disclose your identity, you will render yourself liable to disqualification.
- You have to return the test OMR Answer Sheet to the invigilators at the end of the examination compulsorily and must NOT carry it with you outside the Examination Hall.
- You can take away question booklet and carbon copy of OMR Answer Sheet soon after the examination.
- Use only Blue/Black Ball point pen.
- Use of any calculator or log table etc., is prohibited.
- There is no negative marks for incorrect answers.



**ENVIRONMENTAL SCIENCE**  
**Paper – III**

**Note :** This paper contains **seventy-five (75)** objective type questions. **Each** question carries **two (2)** marks. **All** questions are **compulsory**.

1. The tendency to form polycyclic aromatic hydrocarbons by pyrosynthesis is highest in which group of compounds ?

- (A) Olefins
- (B) Cyclo-olefins
- (C) Aromatics
- (D) Paraffin

2. Match the List I and II

**List – I**

- a) Submerged
- b) Floating
- c) Rooted and submerged
- d) Semi-aquatic

**List – II**

- i) Vallisneria
- ii) Azolla
- iii) Hydrilla
- iv) Typha latifolia

Identify the correct code :

**Codes :**

- |     | <b>a</b> | <b>b</b> | <b>c</b> | <b>d</b> |
|-----|----------|----------|----------|----------|
| (A) | iii      | ii       | iv       | i        |
| (B) | iv       | iii      | i        | ii       |
| (C) | iii      | ii       | i        | iv       |
| (D) | iv       | iii      | ii       | i        |

3. Assertion **(A)** : At each transfer of energy from one level to another level, a major part of the energy is lost as heat.

Reason **(R)** : The energy flow is greatly reduced at each successive trophic level from producer to herbivores.

Identify the correct code :

**Codes :**

- (A) Both (A) and (R) are true and (R) is the correct explanation of (A)
- (B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)
- (C) (A) is true, but (R) is false
- (D) (A) is false, but (R) is true

4. Secondary pollutants like ozone, PAN, HNO<sub>3</sub> and H<sub>2</sub>SO<sub>4</sub> formed from primary pollutants are more toxic than primary pollutants. This phenomenon of increased toxicity in pollutants is called

- (A) Biomagnification
- (B) Eutrophication
- (C) Green house effect
- (D) Synergism



5. Industrial air pollution is a
- (A) Diffuse source
  - (B) Area sources
  - (C) Point source
  - (D) Non-point source
6. Which of the monument is threatened by sulfur dioxide in India ?
- (A) Char-Minar
  - (B) Golgumbuz
  - (C) Taj Mahal
  - (D) Vaishnavi Temple
7. How many types of Biomedical wastes are categorized by the Ministry of Environment and Forests ?
- (A) 51
  - (B) 14
  - (C) 16
  - (D) 12
8. Soil erosion is controlled by
- (A) Afforestation
  - (B) Natural vegetation
  - (C) Farm forestry
  - (D) Agroforestry
9. Present concentration of CO<sub>2</sub> in the atmosphere is
- (A) 220 ppm
  - (B) 360 ppm
  - (C) 280 ppm
  - (D) 390 ppm
10. Which of the following are the biodiversity hot spots in India ?
- a) Western Ghats
  - b) Eastern Ghats
  - c) Eastern Himalaya
  - d) Western Himalaya
  - e) Sundarbans
  - f) Nicobar
- Identify the correct code :
- Codes :**
- (A) a, c, d, f
  - (B) a, b, c, d
  - (C) a, c, e, f
  - (D) b, c, d, e
11. Which of the following instrument is used for determination of energy in biological materials ?
- (A) Colorimeter
  - (B) Bomb Calorimeter
  - (C) Spectro Photometer
  - (D) Flame Photometer



12. Match the List I and II

**List – I**

- a) Biomass energy
- b) Hot springs
- c) OTEC
- d) Solar energy

**List – II**

- i) Decomposition of organic matter
- ii) Geothermal energy
- iii) Ocean energy
- iv) Photovoltaic energy

Identify the correct code :

**Codes :**

- |     | <b>a</b> | <b>b</b> | <b>c</b> | <b>d</b> |
|-----|----------|----------|----------|----------|
| (A) | iv       | iii      | ii       | i        |
| (B) | i        | ii       | iii      | iv       |
| (C) | ii       | iii      | iv       | i        |
| (D) | iii      | i        | ii       | iv       |

13. Environmental problems in India are due to

- a) lack of sound environmental legal regime
- b) lack of environmental enforcement at local level
- c) lack of environmental awareness

Identify the correct code :

**Codes :**

- (A) a, b, c, are correct
- (B) a and b are correct
- (C) b and c are correct
- (D) a and c are correct

14. Which one of the following is expendable natural resources ?

- (A) Water
- (B) Biological resource
- (C) Oil and natural gas
- (D) Forest resource

15. Which of the following is a social insect ?

- (A) Grass hoppers
- (B) Cockroaches
- (C) Butter flies
- (D) Honey bees

16. Air particulates cause

- (A) Yellowing of leaves
- (B) Coiling of leaves
- (C) Closure of stomata
- (D) Permanent opening of stomata

17. Match List – I and II

**List – I**

- a) Granite
- b) Lime stone
- c) Dolerite
- d) Basalt

**List – II**

- i) Sedimentary rock
- ii) Plutonic igneous rock
- iii) Volcanic rock
- iv) Hypobysal igneous rock

**Codes :**

- |     | <b>a</b> | <b>b</b> | <b>c</b> | <b>d</b> |
|-----|----------|----------|----------|----------|
| (A) | i        | ii       | iii      | iv       |
| (B) | iv       | iii      | ii       | i        |
| (C) | ii       | i        | iv       | iii      |
| (D) | iii      | iv       | i        | ii       |



18. Assertion **(A)** : The major cause for depletion of ozone in the stratosphere is due to CFCs.

Reason **(R)** : Ozone layer in the stratosphere protects the life on the earth by absorbing UV radiation.

Identify the correct codes :

**Codes :**

- (A) Both (A) and (R) are true and (R) is the correct explanation of (A)
- (B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)
- (C) (A) is true but (R) is false
- (D) (A) is false but (R) is true

19. Which is the correct sequence of ageing of lentic water bodies ?

- (A) Eutrophic → Mesotrophic → Dystrophic → Oligotrophic
- (B) Oligotrophic → Eutrophic → Mesotrophic → Dystrophic
- (C) Mesotrophic → Oligotrophic → Dystrophic → Eutrophic
- (D) Oligotrophic → Mesotrophic → Eutrophic → Dystrophic

20. Which of the oil tanker accident in 1967 resulted in oil spill in the ocean ?

- (A) Torrey Canyon
- (B) Beagle
- (C) Ocean Eagle
- (D) Agromerchant

21. Replacement of existing communities by any external condition is termed as

- (A) Primary succession
- (B) Secondary succession
- (C) Autogenic succession
- (D) Retrogression

22. Remove the inappropriate item (odd one) from the given list

- (A) Olivine
- (B) Pyroxene
- (C) Sand stone
- (D) Garnet

23. Unchecked growth of population in the ecosystem is called

- (A) Fecundity
- (B) Mortality
- (C) Biotic control
- (D) Environmental resistance



24. The name 'Silent Valley' is given because of absence of
- (A) Grass hoppers
  - (B) Cicadas
  - (C) Termites
  - (D) Wood peckers
25. According to Bowen's reaction series, the sequence of crystalization of minerals in a discontinuous series from the melt is
- (A) Biotite → Amphibole → Pyroxene → Olivine
  - (B) Amphibole → Biotite → Olivine Pyroxene
  - (C) Pyroxene → Olivine → Biotite → Amphibole
  - (D) Olivine → Pyroxene → Amphibole → Biotite
26. Different types of ecosystem constitute
- (A) Biome
  - (B) Species
  - (C) Community
  - (D) Biosphere
27. Population density is expressed by
- (A)  $D = N + S$
  - (B)  $D = N \div S$
  - (C)  $D = N - S$
  - (D)  $D = N \times S$
28. Archaeopteryx links between
- (A) Human being and Monkey
  - (B) Insects and Earthworm
  - (C) Reptiles and Bats
  - (D) Reptiles and birds
29. Bacillus thuringiensis is a
- (A) Fungus
  - (B) Protozoan
  - (C) Alga
  - (D) Biopesticide
30. The following statistical devise helps in analysing the co-variation
- (A) Correlation
  - (B) Regression
  - (C) Median
  - (D) Standard deviation



31. The following is not a measure of central tendency
- (A) Mode
  - (B) Standard deviation
  - (C) Median
  - (D) Harmonic mean
32. Biogeochemical cycles involve in
- (A) Cycling of water
  - (B) Cycling of gases
  - (C) Cycling of energy
  - (D) Cycling of nutrients
33. Anabaena is a
- (A) Eukaryote
  - (B) Archaeobacteria
  - (C) Protozoa
  - (D) Cyanobacterium
34. The following gas produced from the paddy fields is responsible for global warming
- (A) Methane
  - (B) Chlorine
  - (C) CO<sub>2</sub>
  - (D) H<sub>2</sub>S
35. Forests of the river delta are called
- (A) Social forests
  - (B) Farm forests
  - (C) Scrub jungles
  - (D) Mangroves
36. Which of the World Summit proposed to save the earth from global warming ?
- (A) Earth Summit
  - (B) Rottendam Convention
  - (C) Stockholm Convention
  - (D) Copenhagen Summit
37. The linear roll back model used for air quality modeling is
- (A) A time series model
  - (B) A receptor-oriented model
  - (C) A deterministic model
  - (D) An empirical-statistical model
38. Ground water in the zone of aeration is held by
- (A) Capillary fringe
  - (B) Capillary force
  - (C) Gravity
  - (D) Van der Waal



39. Shannan-Weiner index used as an indicator of

- (A) Rare species diversity
- (B) Common species diversity
- (C) Species richness
- (D) Species evenness

40. Assertion (A) : Minerals are non-renewable resource.

Reason (R) : Metals which are extracted from minerals are renewable.

Identify the correct code :

**Codes :**

- (A) Both (A) and (R) are true and (R) is the correct explanation of (A)
- (B) Both (A) and (R) are true, but (R) is not correct explanation of (A)
- (C) (A) is true, but (R) is false
- (D) (A) is false, but (R) is true

41. Arsenic contamination in ground water is most prevalent in

- (A) Andhra Pradesh
- (B) Haryana
- (C) Maharashtra
- (D) West Bengal

42. The gross primary productivity is highest in the following ecosystem

- (A) Deciduous forest
- (B) Mangroves
- (C) Coral reefs
- (D) Grass lands

43. Match the List – I and List – II

**List – I**

**List –II**

- |               |         |
|---------------|---------|
| a) Itai-Itai  | i) Fe   |
| b) Minamata   | ii) Hg  |
| c) Silicosis  | iii) Cd |
| d) Psiderosis | iv) Si  |

Identify the correct codes :

**Codes :**

- |     | <b>a</b> | <b>b</b> | <b>c</b> | <b>d</b> |
|-----|----------|----------|----------|----------|
| (A) | i        | ii       | iii      | iv       |
| (B) | ii       | iii      | iv       | i        |
| (C) | iii      | ii       | iv       | i        |
| (D) | iv       | iii      | ii       | i        |





44. The Red Data Book published by IUCN provides
- (A) Information of threatened species of flora and fauna
  - (B) Information of wild life
  - (C) Information on toxic plants
  - (D) A book on biota of Red Sea
45. Recent approach for the conservation of wild life is the establishment of
- (A) Reserve forest
  - (B) National park
  - (C) Sanctuary
  - (D) Biosphere reserve
46. The largest national park in India is
- (A) Sunderbans
  - (B) Corbett National Park
  - (C) Desert National Park
  - (D) Nagarjuna Sagar National Park
47. The first recorded bird that is now extinct
- (A) Flemmingoes
  - (B) Great Indian Bustard
  - (C) Dodo of Mauritius
  - (D) California Condor
48. Afforestation in non-forestry areas is called
- (A) Integrated afforestation
  - (B) Social forestry
  - (C) Forest conservation
  - (D) Silviculture
49. Forests grown at the height of about 3600 m represent
- (A) Alpine
  - (B) Taiga
  - (C) Temperate
  - (D) Grass land
50. Salinity of soil is measured by
- (A) Porometer
  - (B) Potometer
  - (C) Conductivity meter
  - (D) Calorimeter
51. Common type of forest in India is
- (A) Tropical moist deciduous
  - (B) Temperate forest
  - (C) Scrub jungle
  - (D) Tropical dry deciduous



52. Which of the following group is the component of bio fertilizer ?

- (A) Mushrooms
- (B) Diatoms
- (C) Cyanobacteria
- (D) Coliforms

53. The scheme ECOMARK initiated in 1991 for

- (A) Ecologically sensitive areas
- (B) Eco-tourism development
- (C) Environmental Education
- (D) Labelling ecofriendly products

54. The Scientific Committee On Problems of the Environment (SCOPE) was constituted by

- (A) United Nations Environment Programme
- (B) Ministry of Environment and Forests
- (C) International Council of Scientific Unions
- (D) Council of Scientific and Industrial Research

55. Identify the correct sequence of nitrogen mineralization from the following :

- (A) Ammonification → Nitrosification → Nitrification → Denitrification
- (B) Denitrification → Ammonification → Nitrosification → Nitrification
- (C) Nitrosification → Nitrification → Denitrification → Ammonification
- (D) Nitrification → Denitrification → Ammonification → Nitrosification

56. Which of the following is an obligate symbiont ?

- (A) Rhizobium
- (B) Arbuscular mycorrhizae
- (C) Rickettsiae
- (D) Frankia

57. Hydrosphere contains how much of freshwater ?

- (A) 3%
- (B) 10%
- (C) 17%
- (D) 25%



58. Humus is important for plant-growth promotion because

- (A) it consists of dead organic matter
- (B) it is derived from leaf litter
- (C) it is partially degraded
- (D) it is rich in nutrients and possess high water holding capacity

59. Choose the correct sequence of atmospheric layers from bottom to upwards

- a) Exosphere
- b) Thermosphere
- c) Mesosphere
- d) Troposphere
- e) Stratosphere

Identify the correct code :

**Codes :**

(A)	(B)	(C)	(D)
e	b	a	a
↑	↑	↑	↑
d	a	b	e
↑	↑	↑	↑
c	c	e	d
↑	↑	↑	↑
b	e	d	c
↑	↑	↑	↑
a	d	c	b

60. Flora and fauna can be protected in situ

- (A) Sanctuaries
- (B) Zoos
- (C) Botanical gardens
- (D) National parks

61. Test of significance is performed by

- (A) Chi-square test
- (B) F-test
- (C) Probability test
- (D) Null hypothesis

62. What is the permissible limit of coliforms in drinking water ?

- (A)  $\leq 10/100$  ml
- (B) 20/100 ml
- (C) 50/100 ml
- (D) 75/100 ml

63. From which of the following monsoon India receives maximum precipitation

- (A) North-east monsoon
- (B) South-east monsoon
- (C) South-west monsoon
- (D) North-west monsoon



64. Exsitu conservation of Biodiversity can be done by

- (A) National Parks
- (B) Biosphere Reserves
- (C) Gene Banks
- (D) Wild Life Sanctuaries

65. The percentage of nitrogen in air is

- (A) 70%
- (B) 74%
- (C) 78%
- (D) 82%

66. Name of Scientist who detected acid in rain water for the first time

- (A) Robert Angus Smith
- (B) Ravish Malhotra
- (C) Henry Becquerel
- (D) Yuri Gagarin

67. Following group of algae fixes atmospheric nitrogen

- (A) Blue-green algae
- (B) Brown algae
- (C) Yellow algae
- (D) Yellow-green algae

68. Length of Coast in India is about

- (A) 7,000 km
- (B) 3,000 km
- (C) 2,000 km
- (D) 17,000 km

69. According to Tbilisi Declaration, the goals of environmental education is /are

- a) awareness and concern about economic, social, political and ecological interdependence
- b) to provide opportunities to acquire the knowledge, values, attitude, commitment and skills
- c) to create new patterns of behaviours of individual groups and society as a whole

Identify the correct code :

**Codes :**

- (A) (a) is the correct answer
- (B) (a) and (b) are the correct answers
- (C) (b) is the correct answer
- (D) (a), (b) and (c) are the correct answers



- 70.** WWF stands for
- (A) World Wild Life Fund
  - (B) World Wide Fund for Nature
  - (C) World Wide Forestry
  - (D) Word Wide Food Security
- 71.** The regions between  $20^\circ$  and  $40^\circ$  latitude are known as
- (A) Arctic
  - (B) Temperate
  - (C) Sub-tropical
  - (D) Tropical
- 72.** The practice of cultivating agricultural crops between rows of planted trees is called
- (A) Zoom cultivation
  - (B) Agri-horti cultivation
  - (C) Shift irrigation
  - (D) Farm forestry
- 73.** Which of the following is the ore mineral of zinc ?
- (A) Galena
  - (B) Sphalerite
  - (C) Pyrite
  - (D) Siderate
- 74.** Common energy source in Indian villages is/are
- (A) Coal
  - (B) Wood and animal dung
  - (C) Electricity
  - (D) Solar
- 75.** Which of the soil horizon is rich in organic content ?
- (A) Top soil
  - (B) Sub soil
  - (C) Hard pan
  - (D) Weathered zone



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Space for Rough Work



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