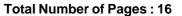
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Test Paper : <b>III</b>	
'	Test Booklet Serial No. :
Test Subject : <b>ENVIRONMENTAL SCIENCE</b>	OMR Sheet No.:
Test Subject Code : K-2914	Roll No.
	(Figures as per admission card)
Name & Signature of Invigilator/s	(Figures as per aumission card)
Name & Signature of invigilator/s	
Signature:	Signature:
Name :	Name :
Paper :	III
<u> </u>	ENVIRONMENTAL SCIENCE
Time: 2 Hours 30 Minutes	Maximum Marks : 150
Number of Pages in this Booklet : <b>16</b>	Number of Questions in this Booklet : <b>75</b>
Number of Fages in this bookiet. To	
ಅಭ್ಯರ್ಥಿಗಳಿಗೆ ಸೂಚನೆಗಳು 1. ಈ ಪುಟದ ಮೇಲ್ತುದಿಯಲ್ಲಿ ಒದಗಿಸಿದ ಸ್ಥಳದಲ್ಲಿ ನಿಮ್ಮ ರೋಲ್ ನಂಬರನ್ನು ಬರೆಯಿರಿ.	Instructions for the Candidates  1. Write your roll number in the space provided on the top of this page.
	2. This paper consists of seventy five multiple-choice type of questions.
್ತ್ರಾಸ್ತ್ರ್ನ್ನ್ನ್ನ್ನ್ನ್ನ್ನ್ನ್ನ್ನ್ನ್ನ್ನ್ನ್ನ್ನ್ನ	3. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to
ನೀವು ಪುಸ್ತಿಕೆಯನ್ನು ತೆರೆಯಲು ಮತ್ತು ಕೆಳಗಿನಂತೆ ಕಡ್ಡಾಯವಾಗಿ ಪರೀಕ್ಷಿಸಲು ಕೋರಲಾಗಿದೆ.	be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below:
(i) ಪ್ರಶ್ನೆ ಪುಸ್ತಿಕೆಗೆ ಪ್ರವೇಶಾವಕಾಶ ಪಡೆಯಲು, ಈ ಹೊದಿಕೆ ಪುಟದ ಅಂಚಿನ ಮೇಲಿರುವ	(i) To have access to the Question Booklet, tear off the paper
ಪೇಪರ್ ಸೀಲನ್ನು ಹರಿಯಿರಿ. ಸ್ಟಿಕ್ಚರ್ ಸೀಲ್ ಇಲ್ಲದ ಪ್ರಶ್ನೆಪುಸ್ತಿಕೆ ಸ್ವೀಕರಿಸಬೇಡಿ. ತೆರೆದ	seal on the edge of this cover page. Do not accept a booklet
ಪುಸ್ತಿಕೆಯನ್ನು ಸ್ವೀಕರಿಸಬೇಡಿ.	without sticker-seal and do not accept an open booklet.  (ii) Tally the number of pages and number of questions
(ii) ಪುಸ್ತಿಕೆಯಲ್ಲಿನ ಪ್ರಶ್ನೆಗಳ ಸಂಖ್ಯೆ ಮತ್ತು ಪುಟಗಳ ಸಂಖ್ಯೆಯನ್ನು ಮುಖಪುಟದ ಮೇಲೆ ಮುದ್ರಿಸಿದ ಮಾಹಿತಿಯೊಂದಿಗೆ ತಾಳೆ ನೋಡಿರಿ. ಪುಟಗಳು/ಪ್ರಶ್ನೆಗಳು ಕಾಣೆಯಾದ,	in the booklet with the information printed on the
ಅಥವಾ ದ್ರಿಪ್ರತಿ ಅಥವಾ ಅನುಕ್ರಮವಾಗಿಲ್ಲದ ಅಥವಾ ಇತರ ಯಾವುದೇ ವ್ಯತ್ಯಾಸದ	cover page. Faulty booklets due to pages/questions
ದೋಷಪೂರಿತ ಪುಸ್ತಿಕೆಯನ್ನು ಕೂಡಲೆ5 ನಿಮಿಷದ ಅವಧಿ ಒಳಗೆ, ಸಂವೀಕ್ಷಕರಿಂದ ಸರಿ	missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately
<ul> <li>ಇರುವ ಪುಸ್ತಿಕೆಗೆ ಬದಲಾಯಿಸಿಕೊಳ್ಳಬೇಕು. ಆ ಬಳಿಕ ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯನ್ನು</li> </ul>	by a correct booklet from the invigilator within the
ಬದಲಾಯಿಸಲಾಗುವುದಿಲ್ಲ. ಯಾವುದೇ ಹೆಚ್ಚು ಸಮಯವನ್ನೂ ಕೊಡಲಾಗುವುದಿಲ್ಲ.	period of 5 minutes. Afterwards, neither the Question
4. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ(A), (B), (C) ಮತ್ತು(D) ಎಂದು ಗುರುತಿಸಿದ ನಾಲ್ಕು ಪರ್ಯಾಯ	Booklet will be replaced nor any extra time will be given.
ಉತ್ತರಗಳಿವೆ. ನೀವು ಪ್ರಶ್ನೆಯ ಎದುರು ಸರಿಯಾದ ಉತ್ತರದ ಮೇಲೆ, ಕೆಳಗೆ ಕಾಣಿಸಿದಂತೆ ಅಂಡಾಕೃತಿಯನ್ನು ಕಪ್ಪಾಗಿಸಬೇಕು.	4. Each item has four alternative responses marked (A), (B), (C) and (D). You have to darken the oval as indicated below on the
ಉದಾಹರಣೆ: (A) (B) (D)	correct response against each item.
(C) ಸರಿಯಾದ ಉತ್ತರವಾಗಿದ್ದಾಗ.	Example : (A) (B) (D)
5. ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಗಳನ್ನು, ಪತ್ರಿಕೆ III ಪುಸ್ತಿಕೆಯೊಳಗೆ ಕೊಟ್ಟಿರುವ OMR ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ	where (C) is the correct response.
• ಮಾತ್ರವೇ ಸೂಚಿಸತಕ್ಕದ್ದು OMR ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿನ ಅಂಡಾಕೃತಿ ಹೊರತುಪಡಿಸಿ ಬೇರೆ	5. Your responses to the question of Paper III are to be indicated in the CMR Shoot kept incide the Recklet If you mark at any limited.
ಯಾವುದೇ ಸ್ಥಳದಲ್ಲಿ ಗುರುತಿಸಿದರೆ, ಅದರ ಮೌಲ್ಯಮಾಪನ ಮಾಡಲಾಗುವುದಿಲ್ಲ.	in the <b>OMR Sheet kept inside the Booklet</b> . If you mark at any place other than in the ovals in OMR Answer Sheet, it will not be
6. OMR ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಕೊಟ್ಟ ಸೂಚನೆಗಳನ್ನು ಜಾಗರೂಕತೆಯಿಂದ ಓದಿರಿ.	evaluated.
• 7. ಎಲ್ಲಾ ಕರಡು ಕೆಲಸವನ್ನು ಪುಸ್ತಿಕೆಯ ಕೊನೆಯಲ್ಲಿ ಮಾಡತಕ್ಕದ್ದು .	6. Read the instructions given in OMR carefully.
8. ನಿಮ್ಮ ಗುರುತನ್ನು ಬಹಿರಂಗಪಡಿಸಬಹುದಾದ ನಿಮ್ಮ ಹೆಸರು ಅಥವಾ ಯಾವುದೇ	7. Rough Work is to be done in the end of this booklet.  8. If you write your name or put any mark on any part of the OMR
ಚಿಹ್ನೆಯನ್ನು , ಸಂಗತವಾದ ಸ್ಥಳ ಹೊರತು ಪಡಿಸಿ, OMR ಉತ್ತರ ಹಾಳೆಯ ಯಾವುದೇ ಭಾಗದಲ್ಲಿ ಬರೆದರೆ, ನೀವು ಅನರ್ಹತೆಗೆ ಬಾಧ್ವರಾಗಿರುತ್ತೀರಿ.	Answer Sheet, except for the space allotted for the relevant
9. ಪರೀಕ್ಷೆಯು ಮುಗಿದನಂತರ, ಕಡ್ನಾಯವಾಗಿ OMR ಉತ್ತರ ಹಾಳೆಯನ್ನು ಸಂವೀಕ್ಷಕರಿಗೆ	entries, which may disclose your identity, you will render yourself
	liable to disqualification.  9. You have to return the test OMR Answer Sheet to the invigilators of the invigilators of the invigilators.
ಕೊಂಡೊಯ್ಯ ಕೂಡದು.	at the end of the examination compulsorily and must NOT
10. ಪರೀಕ್ಷೆಯ ನಂತರ, ಪರೀಕ್ಷಾ ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯನ್ನು ಮತ್ತು ನಕಲು OMR ಉತ್ತರ ಹಾಳೆಯನ್ನು	carry it with you outside the Examination Hall.
ನಿಮ್ಮೆಂದಿಗೆ ತೆಗೆದುಕೊಂಡು ಹೋಗಬಹುದು.	10. You can take away question booklet and carbon copy of OMR Answer Sheet soon after the examination.
11. ನೀಲಿ/ಕಪ್ಪು ಬಾಲ್ಪಾಯಿಂಟ್ ಪೆನ್ ಮಾತ್ರವೇ ಉಪಯೋಗಿಸಿರಿ.	11 Use only Blue/Black Ball noint nen

• 12. ಕ್ಯಾಲ್ಕುಲೇಟರ್ ಅಥವಾ ಲಾಗ್ ಟೇಬಲ್ ಇತ್ಯಾದಿಯ ಉಪಯೋಗವನ್ನು ನಿಷೇಧಿಸಲಾಗಿದೆ. • 13. ಸರಿ ಅಲ್ಲದ ಉತ್ತರಗಳಿಗೆ ಋಣ ಅಂಕ ಇರುವುದಿಲ್ಲ .

12. Use of any calculator or log table etc., is prohibited. 13. There is no negative marks for incorrect answers.

11. Use only Blue/Black Ball point pen.





# 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 List – II

- a) Submerged
- i) Vallisneria
- b) Floating
- ii) Azolla
- c) Rooted and submerged
- iii) <u>Hydrilla</u>
- d) Semi-aquatic
- iv) Typha latifolia

Identify the correct code:

#### Codes:

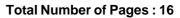
	а	b	С	d
(A)	iii	ii	iv	i
(B)	iv	iii	i	ii
(C)	iii	ii	i	iv
(D)	iv	iii	ii	i

**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:

- (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

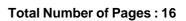
- **9.** Present concentration of CO<sub>2</sub> in the atmosphere is
  - (A) 220 ppm
  - (B) 360 ppm
  - (C) 280 ppm
  - (D) 390 ppm
- **10.** Which of the following are the biodivesity hot spots in India?
  - a) Western Ghats
  - b) Eastern Ghats
  - c) Eastern Himalaya
  - d) Western Himalaya
  - 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

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### 12. Match the List I and II

# List – I List – II a) Biomass energy i) Decomposition of organic

b) Hot springs ii) Geothermal energy

matter

c) OTECiii) Ocean energyd) Solar energyiv) Photovoltaic energy

Identify the correct code:

### Codes:

	а	b	С	d
(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 ldentify the correct code :

## Codes:

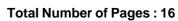
- (A) a, b, c, are correct
- (B) a and b are correct
- (C) b and c are correct
- (D) a and c are correct

- **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		List – II
a)	Granite	i)	Sedimentary rock
b)	Lime stone	ii)	Plutonic igneous rock
c)	Dolerite	iii)	Volcanic rock
d)	Basalt	iv)	Hypobysal igneous rock

	а	b	С	a
(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

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

Identify the correct codes:

## Codes:

due to CFCs.

- (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  $\rightarrow$  Oligotrophic  $\rightarrow$  Dystrophic  $\rightarrow$  Eutrophic
  - (D) Oligotrophic  $\rightarrow$  Mesotrophic  $\rightarrow$  Eutrophic  $\rightarrow$  Dystrophic

- **20.** Which of the oil tanker accident in 1967 resulted in oil spill in the ocean?
  - (A) Torrey Canyan
  - (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

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- **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  $\rightarrow$  Amphibole  $\rightarrow$  Pyroxene  $\rightarrow$ Olivine
  - (B) Amphibole  $\rightarrow$  Biotite  $\rightarrow$  Olivine Pyroxene
  - (C) Pyroxene  $\rightarrow$  Olivine  $\rightarrow$ Biotite  $\rightarrow$  Amphibole
  - (D) Olivine  $\rightarrow$  Pyroxene  $\rightarrow$  Amphibole  $\rightarrow$  Biotite
- 26. Different types of ecosystem constitute
  - (A) Biome
  - (B) Species
  - (C) Community
  - (D) Biosphere

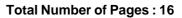
- 27. Population density is expressed by
  - (A) D = N + S
  - (B)  $D = N \div S$
  - (C) D = N S
  - (D)  $D = N \times S$
- 28. Archaeopteryx links between
  - (A) Human being and Monkey
  - (B) Insects and Earthworm
  - (C) Reptiles and Bats
  - (D) Reptiles and birds
- 29. Bacillus thuringiensis 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) Archaebacteria
  - (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 Wall

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- **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

a) Itai-Itai

i) Fe

b) Minamata

ii) Hg

c) Silicosis

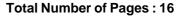
iii) Cd

d) Psiderosis

iv) Si

Identify the correct codes:

	а	b	С	d
(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

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- **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

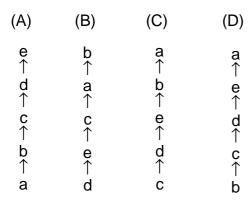
- **55.** Identify the correct sequence of nitrogen mineralization from the following:
  - (A) Ammonification → Nitrosification →Nitrification → Denitrification
  - (B) Denitrification → Ammonification→ Nitrosification → Nitrification
  - (C) Nitrosification → Nitrification→Denitrification → Ammonification
  - (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 leef 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) Trophosphere
  - e) Stratosphere

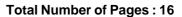
Identity the correct code:

#### Codes:



- 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)  $\leq 10/100 \text{ ml}$
  - (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

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- **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:

- (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° and 40° 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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ಚಿತ್ತು ಬರಹಕ್ಕಾಗಿ ಸ್ಥಳ Space for Rough Work



ಚಿತ್ತು ಬರಹಕ್ಕಾಗಿ ಸ್ಥಳ Space for Rough Work



ಚಿತ್ತು ಬರಹಕ್ಕಾಗಿ ಸ್ಥಳ Space for Rough Work **Total Number of Pages: 16**