

Paper – II

Environmental Sciences

Booklet Code

A

TEST BOOKLET NO.

Subject Code :

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Roll No. :

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(Figures as per admission card)

Roll No. (in words) :

OMR Sheet No. :

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Name and Signature of Invigilator/s

Signature : _____

Name : _____

Time : 2 Hours

Maximum Marks : 200

Number of Pages in this Booklet : 16

Number of Questions in this Booklet : 100

Instructions for the Candidates

- Write your roll number in the space provided on the top of this page.
- This paper consists of hundred (100) multiple-choice type of questions.
- At the commencement of examination, the test booklet will be given to you. In the first 5 minutes, you are requested **to open the booklet and compulsorily examine it as below** :
 - To have access to the Test Booklet, tear off the paper seal on the edge of the cover page. Do not accept a booklet without sticker seal or open booklet.
 - 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 Test Booklet will be replaced nor any extra time will be given.**
 - After the verification is over, the Test Booklet Number should be entered in the OMR Sheet and the OMR Sheet Number should be entered on this Test Booklet.
- Each item has four alternative responses marked (A), (B), (C) and (D). You have to darken the circle as indicated below on the correct response against each item.

Example : (A) (B) (C) (D)

where (C) is the correct response.
- Your responses to the questions are to be indicated in the **OMR Sheet kept inside this Booklet**. If you mark at any place other than in the circles, the OMR Sheet will not be evaluated.
- Read the instructions given in OMR Sheet carefully. Fill the Booklet Code of Paper – II in OMR Sheet **Compulsorily**.
- 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 provided for the relevant entries, which may disclose your identity, you will render yourself liable to disqualification.
- You have to return the 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 test booklet and carbon copy of OMR Answer Sheet after the examination.
- Use only Blue/Black Ball point pen.**
- Use of any calculator, electronic gadgets or log table, etc. is prohibited.**
- There is no negative mark for incorrect answer.**

ENVIRONMENTAL SCIENCES**Paper – II**

1. 'Freeze and thaw' is a type of
 (A) Chemical weathering
 (B) Physical weathering
 (C) Biological weathering
 (D) Chemical and biological weathering
2. The objectives of National Solar Mission of India under national action on climate change are
 i. To establish India as a global leader in solar energy by creating the policy conditions for its diffusion across the country.
 ii. Government aimed to achieve a total installed solar capacity of 20 GW by 2022.
 iii. No deployment of solar lightening system for rural areas by 2022.
 iv. To create favourable conditions for solar manufacturing capability, particularly solar thermal for indigenous production to market leadership.
- Which of the above objectives are correct in this context ?
 (A) i, iii, iv (B) ii, iii, iv
 (C) i, ii, iv (D) i, ii, iii

3. Which one of the following groups of animals belongs to the only category of endangered species ?
 (A) Great Indian Bustard, Musk Deer, Red Panda and Asiatic Wild Ass
 (B) Kashmir Stag, Cheetal, Blue Bull and Great Indian Bustard
 (C) Snow Leopard, Swamp Deer, Rhesus Monkey and Saras (Crane)
 (D) Lion-tailed Macaque, Blue Bull, Hanuman Langur and Cheetal

4. Match List – I with List – II and select the correct answer using the codes given below :

List – I	List – II
(Wildlife Project)	(Year of Starting)

- | | |
|-----------------------|---------|
| a. Sea turtle Project | 1. 2020 |
| b. Tiger Project | 2. 1992 |
| c. Elephant Project | 3. 1999 |
| d. Indo-Rhino Vision | 4. 1973 |

Choose the correct option :

	a	b	c	d
(A)	3	1	4	2
(B)	3	4	2	1
(C)	2	3	1	4
(D)	1	2	3	4

5. Which of the following is not a Ramsar site in J and K ?
 (A) Wullar lake
 (B) Chilka lake
 (C) Hokershar lake
 (D) Sunisar Mansar lake
6. The term (life) of a patent from the date of filing is
 (A) 5 years (B) 15 years
 (C) 20 years (D) 50 years
7. The Corporate Social Responsibility (CSR) has been made mandatory for companies since
 (A) 2010 (B) 2014
 (C) 2017 (D) 2021

8. Which of the following can be used for estimating values of environmental amenities ?
- Hedonic pricing
 - Travel cost
 - Contingent valuation
- Choose the correct code :
- (A) i only (B) ii only
(C) iii only (D) i, ii and iii
9. Accreditation of Environmental Consultant Organisation in India is done by
- (A) MOEFCC
(B) CPCB
(C) Ministry of Earth Sciences
(D) Quality Council of India
10. Benchmarking in environmental management refers to
- (A) Potential risk assessment
(B) Reporting of environmental performance
(C) Assessment of organisation's business processes against the best-in-class operations to improve the performance
(D) Setting of environmental standards to be followed by environmental managers
11. Carbon Credit (CC) stands for
- (A) 100 tonnes CO_2
(B) 10 tonnes CO_2
(C) 1000 tonnes CO_2
(D) 1 tonne CO_2
12. Rock Quality Designation (RQD) indicates
- (A) Velocity of seismic waves in a rock
(B) Resistivity to electric current by rocks
(C) Percentage recovery of unbroken solid core from a bore hole
(D) Velocity in a rock generated by passing of heavy vehicles
13. The stratified rocks are more likely to fail when, other things being the same, the dip is
- (A) Towards the free side of the valley or road cut
(B) Backwards, deep into the hills
(C) Parallel with the road cut
(D) Towards the backwards or parallel into the hills
14. Due to *El-Nino*, Indian monsoon
- (A) Gets weaker
(B) Gets stronger
(C) Gets weaker but sometime remains normal
(D) Gets stronger but sometime remains normal
15. The albedo of earth is
- (A) 20% (B) 30%
(C) 45% (D) 50%
16. Under the EIA notification of 14th September 2006, preparation of EIA is not required for the projects falling in the
- (A) Category 'A' projects
(B) Category 'B' projects
(C) Category 'B₁' projects
(D) Category 'B₂' projects

17. Which one of the following steps is not included in the scoping process ?
- Baseline descriptions and potential additional data collection needs
 - Description of environmental impacts and creation of contingency plan
 - Defining set of criteria to assess the project
 - Setting of expert teams that will conduct EIA
18. Given below are stages within each tier of risk assessment
- Identification of consequences.
 - Environmental performance of a product.
 - Probability assessment.
 - Assessment of consequences as well as significance of the risk.
 - Magnitude assessment for consequences.
- Choose the correct sequence code :
- ii, i, v, iii and iv
 - i, ii, iii, iv and v
 - iii, ii, iv, v and i
 - iv, ii, i, iii and v
19. In accordance with the Indian EIA Notification 2006, within how many days if environmental appraisal committee do not specify the terms of reference (TOR), the proponent can go ahead with its own TOR ?
- 15 days
 - 45 days
 - 60 days
 - 90 days
20. Which of the following is true regarding the Leopold interaction matrix used in EIA process ?
- It can be expanded
 - It can be contracted
 - It can be contracted and expanded
 - It can't be contracted or expanded
21. The Mohorovicic discontinuity demarcates
- The inner core from the outer core
 - The outer core from the mantle
 - The crust from the mantle
 - The upper layer of the crust from the lower layer of the crust
22. Half-life is a term used for
- The period for which a planet can exist in the solar system
 - The time taken by a radioactive element to change to an end product equivalent of half of the total volume
 - The time taken for one-half quantity of a radioactive element to decay to a stable end product
 - None of the above
23. What is the cause of ponding on a trickling filter ?
- Increase in slime growths on media plugging the filter
 - Increase in chlorination doses to the filter
 - Increase in filter ventilation
 - Decrease in growths of pathogenic organisms in the filter voids
- Choose the correct option :
- i and iv only
 - ii and iv only
 - i only
 - iii and iv only

24. Stalactites and stalagmites are features of
- (A) Stream erosion developed in limestone region by specific chemical reactions
 - (B) Marine erosion and deposition formed along coastal regions by selective erosion followed by deposition by waves
 - (C) Ground water deposition in caves formed by precipitation from dipping water rich in dissolved calcium carbonate
 - (D) Deposition by fresh water
25. Base level of River Erosion means
- (A) The lowest level of a river valley in a given region
 - (B) The lowest level upto which a stream can theoretically cut down its channel
 - (C) The capacity of a river to erode its base
 - (D) The capacity of a river to erode its riparian zone
26. 'Oilzapper' was in the news. What is it ?
- (A) It is an eco-friendly technology for the remediation of oil sludge and oil spills
 - (B) It is the latest technology developed for under-sea oil exploration
 - (C) It is a genetically engineered high biofuel yielding maize variety
 - (D) It is the latest technology to control the accidentally caused flames from oil wells
27. Given below are two statements one is labelled as Assertion (A) and the other is labelled as Reason (R).
- Assertion (A) :** Temperature in stratosphere increases with increase in altitude.
- Reason (R) :** Photo dissociation of O_2 in stratosphere makes the lapse rate positive.
- In light of above two statements choose the correct option :
- (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
28. Water contaminated with Cadmium can cause
- (A) Blue baby syndrome
 - (B) Minamata disease
 - (C) Itai-itai disease
 - (D) Hyperkerotosis
29. The report 'The Limit to Growth' is the recommendations of
- (A) Club of Rome
 - (B) Sierra Club
 - (C) Club of Elites
 - (D) Environmental Protection Agency, USA

30. A species that has profound effect on the ecological processes of an ecosystem and whose removal or loss would result in disturbing the community structure is known as
- Dominant species
 - Keystone species
 - Indicator species
 - Flagship species
31. Burning of biomass results into formation of
- N_2O
 - NO
 - NO_3
 - N_2O , NO, NO_3
32. Wind speed is usually measured by an anemometer at a height, say Z_0 , knowing the wind velocity (μ_0) at anemometer height (Z_0), we can work at the velocity (μ) at any height, say Z using the formula $\mu = \mu_0 [Z/Z_0]^k$, where k is constant. The normal value of k is
- 1/9
 - 1/3
 - 1/7
 - 1/6
33. Gaussian Plume Model is applicable in
- Uneven terrain
 - Even terrain
 - Mountainous Region
 - Valley
34. Thermal inversion occurs when atmosphere is
- Unstable
 - Neutral
 - Slightly stable
 - Most stable
35. The 'Love Canal Tragedy' was caused due to
- Dumping of hazardous chemicals in the landfill
 - Flash floods in the canal
 - Big fight among the couples
 - Major landslides in the area
36. Consider the following statements :
- Excessive growth of water weeds in a water body is attributed to the
- Increase in the benthic organisms including bacteria.
 - High influx of phosphates and nitrates in aquatic ecosystem.
 - Excessive influx of nutrients.
- Choose the correct option :
- 1, 2 and 3
 - 1 and 2
 - 1 and 3
 - 2 and 3

37. Who has given the concept of conservation of nature under the title 'The Land Ethic' ?

- (A) Richard T. Wright
- (B) Eugene P. Odum
- (C) Aldo Leopold
- (D) Ramdev Mishra

38. Match List – I with List – II and select the correct answer using the codes given below :

List – I (Process)	List – II (Biological agent)
a. Oxidation ditch	1. Facultative bacteria
b. Waste stabilization pond	2. Anaerobic bacteria
c. Imhoff tank	3. Aerobic bacteria (suspended culture)
d. Rotating Biological Contractor (RBC)	4. Aerobic bacteria (attached culture)

- | | a | b | c | d |
|-----|----------|----------|----------|----------|
| (A) | 4 | 1 | 2 | 3 |
| (B) | 3 | 1 | 2 | 4 |
| (C) | 1 | 2 | 3 | 4 |
| (D) | 3 | 4 | 1 | 2 |

39. The following reactions take place during anaerobic digestion of organics :

1. Methane production
2. Alkaline fermentation
3. Acid fermentation
4. Acid regression

The correct sequence of these reaction is

- (A) 3, 4, 2, 1
- (B) 4, 3, 2, 1
- (C) 3, 4, 1, 2
- (D) 4, 3, 1, 2

40. Coal-based thermal power stations pollute the atmosphere by adding

- (A) NO_x and SO_2
- (B) NO_x , SO_2 and SPM
- (C) NO_x , SO_2 , SPM and CO
- (D) NO_x , SPM and CO

41. The most suitable material for moderator in nuclear reactor is

- (A) D_2O
- (B) Cd
- (C) B
- (D) ${}_{92}\text{U}^{234}$

42. Swachh Bharat Abhiyan (Clean India Mission) is a country wide campaign initiated by Govt. of India in the year

- (A) 2009
- (B) 2012
- (C) 2014
- (D) 2018

43. Select the wrong statement for Electromagnetic wave.
 (A) Are transverse
 (B) Travel with same speed in all medium
 (C) Travel with speed of light
 (D) Are produced by accelerating charge
44. The maximum permissible limit of BOD (mg/l) in a treated waste water that is discharged into the river is
 (A) 20 mg/l
 (B) 40 mg/l
 (C) 10 mg/l
 (D) 30 mg/l
45. Which of the following is neutron absorber ?
 (A) Pb (B) Ag
 (C) Cd (D) Cu
46. Which one of the following is an example of ex-situ conservation ?
 (A) Biosphere Reserve
 (B) Gene Bank
 (C) National Park
 (D) Wildlife Sanctuary
47. In the absence of green house effect the global average temperature would have been
 (A) Slightly high
 (B) Very low
 (C) The same
 (D) Extremely high
48. Under which condition the prevailing Environmental Lapse Rate (ELR) would be super Adiabatic Lapse Rate (ALR) ?
 (A) $ALR > ELR$ (B) $ALR < ELR$
 (C) $ALR = ELR$ (D) $ALR \gg ELR$
49. Diagrammatic representation of a specific pollutant's concentration and its dispersion at particular time is
 (A) Wind rose
 (B) Pollution rose
 (C) Wind diagram
 (D) Wind rose and Wind diagram
50. Winter and summer seasons are clearly differentiated in
 (A) Tropical zone
 (B) Temperate zone
 (C) Frigid zone
 (D) Tropical zone and Temperate zone
51. Coriolis force is more prominent
 (A) Near Equator
 (B) Near Poles
 (C) Near Tropic of Cancer
 (D) Near Tropic of Capricorn
52. Find out standard deviation of the following data of abundance and frequency of planktons from seven sampling sites :
- | Sites | S1 | S2 | S3 | S4 | S5 | S6 | S7 |
|-----------|----|----|----|----|----|----|----|
| Abundance | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Frequency | 2 | 7 | 11 | 15 | 10 | 4 | 1 |
- Choose the correct value :
 (A) 2.342 (B) 1.342
 (C) 0.342 (D) 4.342

53. ANOVA is useful for :

- i. Testing three or more variables
- ii. Can also be used as multiple two-sample t-test
- iii. Analysis of variance to test a particular hypothesis
- iv. Testing only one or two unequal variables

Choose the correct answer :

- (A) i, ii and iii (B) ii, iii and iv
(C) iii and iv (D) i and iv

54. Calorific values of food and fuel are determined by

- (A) Bomb Calorimeter
- (B) Atomic Absorption Spectrophotometer
- (C) Bansen's Ice Calorimeter
- (D) Flame Photometer

55. Periphyton are the aquatic

- (A) Plant attached the substrate
- (B) Plants floating on the surface of water
- (C) Animal dwelling at the bottom
- (D) Animal dwelling at the surface of the water

56. Which ancient Indian text contains rules and regulations on protection of forests and abhayaranya ?

- (A) Chandogya Upanishad
- (B) Kautilya's Arthashastra
- (C) Mahasiddhant
- (D) Brahmasphuta Siddhant

57. Given below are the lists of places and sacred groves :

List – I

Places

- 1. Kerala
- 2. Karnataka
- 3. Uttarakhand
- 4. Western Ghat

List – II

Sacred groves

- a. Hariyali
- b. Kans
- c. Kaavu
- d. Devarkans

Choose the correct option :

- | | 1 | 2 | 3 | 4 |
|-----|----------|----------|----------|----------|
| (A) | a | c | d | b |
| (B) | b | d | a | c |
| (C) | c | d | a | b |
| (D) | d | a | c | b |

58. Plants growing in very low temperature are

- (A) Megatherms
- (B) Mesotherms
- (C) Microtherms
- (D) Hekistotherms

59. Bacterium responsible for fermentation of dairy milk is

- (A) *Rhizobium*
- (B) *Clostridium*
- (C) *Xanthomonas*
- (D) *Lactobacillus*

60. 'Slash and burn' is the term applied to the practice of

- (A) Illicit falling of trees and encroachment
- (B) Grazing and lopping
- (C) Shifting cultivation
- (D) Forest fires

61. The transitional zone between two or more distinct communities is called
 (A) Epilimnion
 (B) Biome
 (C) Anticline
 (D) Ecotone
62. Eutrophication of water bodies is characterised by an oversupply of nutrients, especially
 (A) Sulphates and nitrates
 (B) Sulphates and chlorides
 (C) Phosphates and sulphates
 (D) Phosphates and nitrates
63. Given below are two statements one is labelled as Assertion (A) and the other is labelled as Reason (R).
Assertion (A) : Heat transfer is performed through exchange of temperature.
Reason (R) : Conduction, convection and radiation are the three modes of transfer of heat.
 In light of above two statements choose the correct option :
 (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
64. The place meant for the conservation of biodiversity in their natural habitat are
 i. Zoological garden
 ii. Botanical garden
 iii. Wildlife sanctuary
 iv. National parks
 (A) i and ii (B) ii and iii
 (C) iii and iv (D) i and iv
65. Which one of the following is an indicator of vehicular pollution ?
 (A) Algae
 (B) Lichens
 (C) Bryophytes
 (D) Pteridophytes
66. Given below are two statements one is labelled as Assertion (A) and the other is labelled as Reason (R).
Assertion (A) : Sustainable development is necessary for the survival of human race.
Reason (R) : Rapid economic growth without environmental concerns cannot be sustained.
 In light of above two statements choose the correct option :
 (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
67. The year of Chernobyl disaster was
 (A) 1980 (B) 1989
 (C) 1986 (D) 1982

68. Given below are two statements one is labelled as Assertion (A) and the other is labelled as Reason (R).

Assertion (A) : Aluminium chloride is a good coagulant for the treatment of raw water.

Reason (R) : Both the colloidal particles and Aluminium ions are positively charged.

In light of above two statements choose the correct option :

- (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
69. MIKE stands for
- (A) Monitoring of Illegal Killing of Elephants
 - (B) Monitoring of Illegal Kites Expansion
 - (C) Monitoring of Illegal King Extension
 - (D) Monitoring of Illegal Knight's Extraction
70. Regarding "carbon credits", which one of the following statements is not correct ?
- (A) The carbon credit system was ratified in conjunction with the Kyoto Protocol
 - (B) Carbon credits are awarded to countries or groups that have reduced greenhouse gases below their emission quota
 - (C) The goal of the carbon credit system is to limit the increase of carbon emission quota
 - (D) Carbon credits are traded at a price fixed from time to time by the United Nations Environment Programme

71. The name of US Global Positioning System is

- (A) GLONASS
- (B) NAVSTAR
- (C) GAGAN
- (D) MOM

72. With reference to manual image interpretation in remote sensing, there are two statements :

Statement – I : Establishment of identities of different objects in image.

Statement – II : Search for their meaning.

In light of above statements, choose the most appropriate answer from the options given below :

- (A) Statement – I is correct and Statement – II is incorrect
- (B) Statement – I is incorrect and Statement – II is correct
- (C) Both Statements – I and II are incorrect
- (D) Both Statements – I and II are correct

73. The reflection of light by a surface is function of wavelength (λ) and particle size. Suppose, if surface particle size is less than $\lambda/8$, then the reflection would be

- (A) Specular
- (B) Diffused
- (C) Mixed
- (D) Specular, Diffused and Mixed

74. The blue colour of the sky is due to

- (A) Rayleigh scattering
- (B) Mie scattering
- (C) Non-selective scattering
- (D) Mie scattering and Non-selective scattering

75. Lichens are highly susceptible to

- (A) Carbon dioxide
- (B) Ozone
- (C) Nitric oxide
- (D) Sulphur dioxide

76. Gas chromatography is applied for the analysis of

- (A) Heat labile compounds
- (B) Liquid compounds
- (C) Non-volatile compounds
- (D) Volatile compounds

77. Protein content is high in the waste waters from following industry

- (A) Paper and pulp industry
- (B) Chemical industry
- (C) Leather industry
- (D) Dairy industry

78. There is a concern over the increase in harmful algal blooms in the sea waters of India. What could be the causative factors for this phenomenon ?

1. Discharge of nutrients from the estuaries.
2. Run-off from the land during the monsoon.
3. Upwelling in the seas.

Select the correct answer from the codes given below :

- (A) 1 only
- (B) 1 and 2 only
- (C) 2 and 3 only
- (D) 1, 2 and 3

79. The acidification of oceans is increasing. Why is this phenomenon a cause of concern ?

- i. The growth and survival of calcareous phytoplankton will be adversely affected.
- ii. The growth and survival of coral reefs will be adversely affected.
- iii. The survival of some animals that have phytoplanktonic larvae will be adversely affected.
- iv. The cloud seeding and formation of clouds will be adversely affected.

Which of the statements given above is/are correct ?

- (A) i, ii and iii only
- (B) ii only
- (C) i and iii only
- (D) i, ii, iii and iv

80. Due to improper/indiscriminate disposal of old and used computers or their parts, which of the following are released into the environment as e-waste ?

1. Beryllium
2. Cadmium
3. Chromium
4. Heptachlor
5. Mercury
6. Lead
7. Plutonium

Select the correct answer from the codes given below :

- (A) 1, 3, 4, 6 and 7 only
- (B) 1, 2, 3, 5 and 6 only
- (C) 2, 4, 5 and 7 only
- (D) 1, 2, 3, 4, 5, 6 and 7

81. Foul smell in the water bodies, tanks and ponds is due to

- (A) Aerobiosis
- (B) Anaerobiosis
- (C) Psammophytes
- (D) Biomagnification

82. What is the flagship species of Dachigam National Park ?

- (A) Wild Boar
- (B) Leopard Cat
- (C) Kashmir Stag (Hangul)
- (D) Kashmir Grey Langur

83. The high amount of E.coli in water is an indicator of

- (A) Hardness of water
- (B) Industrial pollution
- (C) Sewage pollution
- (D) Presence of chlorine in water

84. Sound level meter is a device for measuring

- (A) The noise levels
- (B) Intensity of noise
- (C) Effect of noise
- (D) None of these

85. Eco-auditing focuses on

- (A) Assessment of actual effects of existing activities
- (B) Assessment of project decisions
- (C) Policy assessment
- (D) Post project assessment

86. Match List – I with List – II and select the correct answer using the codes given below :

List – I		List – II	
(Causing agent)		(Effect)	
a. Carbon monoxide		1. Acid rain	
b. Carbon dioxide		2. Explosion in coal mines	
c. Methane		3. Asphyxiation	
d. Sulphur dioxide		4. Maximum contribution to greenhouse effect	

	a	b	c	d
(A)	1	3	2	4
(B)	3	4	2	1
(C)	1	3	4	2
(D)	4	2	1	3

87. The species found only in a particular geographical location is known as

- (A) Endangered
- (B) Endemic
- (C) Threaten
- (D) Least concern

88. Which Indian state has named all its districts after its rivers ?

- (A) Assam
- (B) Kerala
- (C) Arunachal Pradesh
- (D) Punjab

89. Which ancient Indian scholar claimed that termite mounds were indicators of ground water ?

- (A) Arya Bhatta
- (B) Nagarjun
- (C) Varahamihir
- (D) Sushruta

90. What are the natural resources produced by earth ?

- (A) Soil only
- (B) Soil and water only
- (C) Soil, water and plants
- (D) Water only

91. Dip is defined as

- (A) The inclination of layer of rock with a horizontal plane
- (B) The angle of inclination of layer of rock with a vertical plane
- (C) The angle which the slope of a mountain makes in general
- (D) The inclination of layer of rock along the slope

92. Pediplains are formed due to

- (A) Erosion of original land forms by streams
- (B) Glacial erosion in mountainous region
- (C) Deposition of sediments transported by wind, water and ice
- (D) Deposition of sediments transported ground water

- 93.** The process of using of organism to remove pollutants from any system is known as
 (A) Biomagnification
 (B) Bioremediation
 (C) Bioconcentration
 (D) Bioreduction
- 94.** Poikilitic texture is characterised with
 (A) Presence of lagged sized crystal in fine ground mass
 (B) Presence of small sized crystal dispersed within the body of large sized mineral
 (C) Distribution of crystals of same size in a fine grained ground mass
 (D) The entire constituents being present in glassy form
- 95.** Kankar is a variety of
 (A) Sand stone (B) Lime stone
 (C) Shale (D) Coal
- 96.** Criteria of successful long-term conservation depends on
 (A) Integration of all biological criteria of species
 (B) Potential utility of biodiversity of all human benefits
 (C) Maintaining species richness
 (D) Integration of diversity of genetic, species and ecosystem including their interaction and ecological process
- 97.** Shannon Weiner index measures
 (A) Species richness
 (B) Relative abundance
 (C) Diversity of species
 (D) Functional diversity
- 98.** The ultimate stable and culminating community during succession is called
 (A) Pioneer community
 (B) Climax community
 (C) Primary community
 (D) Secondary community
- 99.** The pioneer female activist of Chipko Movement in India was
 (A) Medha Patkar
 (B) Amrita Devi Bishnoi
 (C) Arundhati Rai
 (D) Sunita Narayan
- 100.** The pioneer human community in human evolution is
 (A) Nomads
 (B) Hunting and gathering society
 (C) Agro society
 (D) Industrial society

Space for Rough Work

