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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
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- (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

 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 :

	а	b	С	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
- The Corporate Social Responsibility (CSR) has been made mandatory for companies since

(A) 2010	(B) 2014
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(C) 2017 (D) 2021



- 8. Which of the following can be used for estimating values of environmental amenities ?
 - i. Hedonic pricing
 - ii. Travel cost
 - iii. 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 CO₂
 - (B) 10 tonnes CO₂
 - (C) 1000 tonnes \overline{CO}_{2}
 - (D) 1 tonne CO₂

Paper II

- **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) Backwords, deep into the hills
 - (C) Parallel with the road cut
 - (D) Towards the backwords 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

3



- **17.** Which one of the following steps is not included in the scoping process ?
 - (A) Baseline descriptions and potential additional data collection needs
 - (B) Description of environmental impacts and creation of contingency plan
 - (C) Defining set of criteria to assess the project
 - (D) Setting of expert teams that will conduct EIA
- **18.** Given below are stages within each tier of risk assessment
 - i. Identification of consequences.
 - ii. Environmental performance of a product.
 - iii. Probability assessment.
 - iv. Assessment of consequences as well as significance of the risk.
 - v. Magnitude assessment for consequences.

Choose the correct sequence code :

- (A) ii, i, v, iii and iv
- (B) i, ii, iii, iv and v
- (C) iii, ii, iv, v and i
- (D) 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 ?
 - (A) 15 days (B) 45 days
 - (C) 60 days (D) 90 days

- **20.** Which of the following is true regarding the Leopold interaction matrix used in EIA process ?
 - (A) It can be expanded
 - (B) It can be contracted
 - (C) It can be contracted and expanded
 - (D) It can't be contracted or expanded
- **21.** The Mohorovicic discontinuity demarcates
 - (A) The inner core from the outer core
 - (B) The outer core from the mantle
 - (C) The crust from the mantle
 - (D) The upper layer of the crust from the lower layer of the crust
- 22. Half-life is a term used for
 - (A) The period for which a planet can exist in the solar system
 - (B) The time taken by a radioactive element to change to an end product equivalent of half of the total volume
 - (C) The time taken for one-half quantity of a radioactive element to decay to a stable end product
 - (D) None of the above
- **23.** What is the cause of ponding on a trickling filter ?
 - i. Increase in slime growths on media plugging the filter
 - ii. Increase in chlorination doses to the filter
 - iii. Increase in filter ventilation
 - iv. Decrease in growths of pathogenic organisms in the filter voids

Choose the correct option :

- (A) i and iv only (B) ii and iv only
- (C) i only (D) 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 O₂ 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
 - (A) Dominant species
 - (B) Keystone species
 - (C) Indicator species
 - (D) Flagship species
- **31.** Burning of biomass results into formation of
 - (A) N₂O
 - (B) NO
 - (C) NO₃
 - (D) N₂O, NO, NO₃
- **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
 - (A) 1/9
 - (B) 1/3
 - (C) 1/7
 - (D) 1/6

33. Gaussian Plume Model is applicable in

- (A) Uneven terrain
- (B) Even terrain
- (C) Mountainous Region
- (D) Valley

- **34.** Thermal inversion occurs when atmosphere is
 - (A) Unstable
 - (B) Neutral
 - (C) Slightly stable
 - (D) Most stable
- **35.** The 'Love Canal Tragedy' was caused due to
 - (A) Dumping of hazardous chemicals in the landfill
 - (B) Flash floods in the canal
 - (C) Big fight among the couples
 - (D) Major landslides in the area
- **36.** Consider the following statements : Excessive growth of water weeds in a water body is attributed to the
 - 1. Increase in the benthic organisms including bacteria.
 - 2. High influx of phosphates and nitrates in aquatic ecosystem.
 - 3. Excessive influx of nutrients.

Choose the correct option :

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

6



- **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				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)		
	а	b	С	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_{χ} and SO_{2}
 - (B) NO_X, SO₂ and SPM
 - (C) NO_{χ} , SO_2 , SPM and CO
 - (D) NO_{χ} , SPM and CO
- **41.** The most suitable material for moderator in nuclear reactor is
 - (A) D₂O
 - (B) Cd
 - (C) B
 - (D) ₉₂U²³⁴
- 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

Paper II



- **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 >> 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	S 5	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

Total Number of Pages: 16





- **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

List – II

Sacred groves

- 1. Kerala a. Hariyali
- 2. Karnataka b. Kans
- 3. Uttarakhand c. Kaavu
- 4. Western Ghat d. Devarkans
- Choose the correct option :
- 1 2 3 4 (A) С d b а (B) b d С а (C) c d b а (D) d b а С
- **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

Paper II



- **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

Paper II



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

List – I					List – II
(Causi	ing a	t)	(Effect)	
a.	Carb mono	-		1.	Acid rain
b.	Carb dioxi	-		2.	Explosion in coal mines
c.	Meth	ane		3.	Asphyxiation
d.	d. Sulphur dioxide				Maximum contribution to greenhouse effect
	а	b	С	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

16 – A



- **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