

ENTRANCE TEST-2025**SCHOOL OF EARTH & ENVIRONMENTAL SCIENCES****ENVIRONMENTAL SCIENCE****Total Questions : 60****Question Booklet Series****A****Time Allowed : 70 Minutes****Entrance Test Roll No. :**

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Important Instructions for Candidates :

- Candidates shall compulsorily use only **blue/ black ball point pen**. In no case gel/ink pen or pencil should be used.
- Compulsorily write your **entrance test roll number** in the space provided at the top of this page of the question booklet.
- Fill up the necessary information in the spaces provided on OMR Answer Sheet including **Question Booklet Number** and **Question Booklet Series**.
- OMR Answer Sheet has an original copy and a candidate's copy glued beneath it at the top. While making entries in the original copy, candidate should ensure that the **two copies are aligned properly** so that the entries made in the original copy against each item are exactly copied in the candidate's copy.
- All entries in the OMR Answer Sheet, including answers to questions, are to be recorded in the Original Copy only.
- Choose only one correct/most appropriate response** for each question among the options A, B, C and D and darken the circle of the appropriate response completely. Incompletely darkened circle is not correctly read by the OMR scanner and no complaint to this effect shall be entertained.
- Do not darken more than one circle of option for any question. A question with more than one darkened response shall be considered wrong.**
- There will be negative marking for wrong answers. Each wrong answer will lead to deduction of 0.25 marks per wrong answer from the score.**
- Only those candidates who obtain positive score in Entrance Test shall be eligible for admission.
- Do not make any stray mark on the OMR sheet as this may lead to errors while scanning.
- OMR answer sheet must be handled carefully and it should not be folded or mutilated, as in such case it will not be properly evaluated by the scanning machine.
- Use of Electronic gadgets like calculator, mobile, smart watch, blue tooth etc. is strictly prohibited.
- Rough work, if any, should be done on the blank sheets provided with the question booklet.
- Ensure that the OMR Sheet is signed by the Examinee as well as by the invigilator.
- At the end of the examination, fold the OMR Sheet along the crease on the top and tear off the top strip to separate the Original OMR Sheet from the Duplicate Copy.
- Compulsorily hand over the **Original OMR Answer Sheet** to the invigilator.
- Candidate's can retain duplicate copy of the OMR, Question Booklet and Admit Card.
- If any of the information in the Response Sheet/Question Paper has been found missing or not mentioned as stated above, the candidate is solely responsible for that lapse.
- Any deficiency on the OMR shall be the responsibility of the candidate himself/herself.

1. What will be the ratio of rates of energy released by two otherwise identical blackbodies, one of which is at 0°C and the other one at 273°C?
 - (A) 0.0625
 - (B) 0.625
 - (C) 6.25
 - (D) 0.225
2. International Tsunami Information Center is located in:
 - (A) Honolulu
 - (B) Goa
 - (C) Jakarta
 - (D) Puducherry
3. Generally, the number on Richter Scale ranges between:
 - (A) 0 and 6
 - (B) 0 and 9
 - (C) 1 to 5
 - (D) 1 to 12
4. Disaster Management includes:
 - (A) Mitigation
 - (B) Reconstruction
 - (C) Rehabilitation
 - (D) All of the above
5. The Disaster Management Act was made in:
 - (A) 2006
 - (B) 2003
 - (C) 2005
 - (D) 2009
6. Which wave of the earthquake produces rolling effect along the surface?
 - (A) P wave
 - (B) S wave
 - (C) L wave
 - (D) None of the above
7. In India Tsunami Warning Center is located at:
 - (A) Kolkata
 - (B) Hyderabad
 - (C) Ahmedabad
 - (D) None of the above
8. Which one of the following is a geological disaster?
 - (A) Tsunami
 - (B) Storm surge
 - (C) Flood
 - (D) Wild fire
9. What do you mean by 'doldrums'?
 - (A) Environmental condition found during El Nino
 - (B) Environmental condition found on equatorial calm over the sea
 - (C) Both (A) and (B) are correct
 - (D) None of the above
10. Which instrument is used for recording the occurrences of the earthquake?
 - (A) Richter Scale
 - (B) Seismology
 - (C) Seismograph
 - (D) None of the above
11. The centre of the cyclone is characterized by:
 - (A) High Pressure
 - (B) Low pressure
 - (C) Very High Pressure
 - (D) All of the above

12. What does the acronym ISDR stand for?
 - (A) International Significant Disaster Resources
 - (B) International Sustainable Development Report
 - (C) International Strategy for Disaster Reduction
 - (D) Intergovernmental Strategy for Developing Recreation
13. A cyclone is called a _____ in Philippines and Japan.
 - (A) Hurricane
 - (B) Typhoon
 - (C) Tornado
 - (D) Thunderstorm
14. Which of the following is an environmental consequence of floods?
 - (A) Dispersal of weed species
 - (B) Erosion of soil
 - (C) Release of pollutants into waterways
 - (D) All of the above
15. In the future, which of the following is expected to increase the risk of flooding?
 - (A) Population growth
 - (B) Urbanisation
 - (C) Climate change
 - (D) All of the above
16. The earth crust is made up of huge slabs, which are called:
 - (A) Crust
 - (B) Plates
 - (C) Rock
 - (D) Magma
17. The toxic gas released from Bhopal Gas Tragedy was:
 - (A) Methyl isocyanate
 - (B) Potassium isocyanate
 - (C) Sodium isocyanate
 - (D) Methyl isothiocyanate
18. ITCZ stands for:
 - (A) Inter Tropical Convergence Zone
 - (B) Intra Tropical Convergence Zone
 - (C) Inter Tectonic Convergence Zone
 - (D) Inter Temperate Convergence Zone
19. Which of the following condition prevalent in drought situation?
 - (A) $\text{Rainfall} - \text{Evapotranspiration} > 0$
 - (B) $\text{Rainfall} - \text{Evapotranspiration} < 0$
 - (C) $\text{Rainfall} = \text{Evapotranspiration}$
 - (D) $\text{Rainfall} - \text{Evapotranspiration} \geq 0$
20. In remote sensing DEM refers to:
 - (A) Digitally Enhanced Model
 - (B) Digital Elevation Model
 - (C) Direct Emission Model
 - (D) None of the above
21. Groundwater extracted from:
 - (A) Aquifer
 - (B) Aquitard
 - (C) Aquiclude
 - (D) None of the above
22. Which layer is getting depleted due to UVR (Ultraviolet Ray)?
 - (A) The Stratosphere
 - (B) The Troposphere
 - (C) The Mesosphere
 - (D) None

23. Which combination of radiation fluxes plays the important role in climate change?
- Visible and Infrared
 - UV and Infrared
 - UV and Microwave
 - Microwave and Infrared
24. The letter code BWh and group B represents characteristics and type of climate:
- Dry climate and low altitude semi-arid & Cold climate and humid continental
 - Cold climate and humid continental & Tropical climate and tropical monsoon
 - Tropical climate and tropical monsoon & Dry climate and low altitude semi-arid
 - Dry climate and subtropical desert & Dry climate and low altitude semi-arid
25. Dolomite consist of:
- Calcium
 - Magnesium
 - Both of the above
 - None of the above
26. The thin, wispy high clouds composed of ice crystals are called:
- Cumulus clouds
 - Cirrus clouds
 - Stratus clouds
 - None of the above
27. When water condenses, the heat involved is:
- Absorbed by the surrounding air
 - Retained by the drop that forms
 - Absorbed by the sunlight
 - All of the above
28. What are stereoisomers?
- Molecules with same chemical bonds but different configuration
 - Molecules with different chemical bonds but same configuration
 - Molecules with same chemical bonds in similar configuration
 - Molecules with different chemical bonds in different configuration
29. Uracil can exist as:
- Lactam structure only
 - Lactim structure only
 - Double lactim structure only
 - Lactam, Lactim and Double Lactim structures
30. When a single molecule contains both polar and non-polar groups, it is called as:
- Anisotropic molecule
 - Amphipathic molecule
 - Dipole molecule
 - Dielectric molecule
31. Phosphorescence is:
- No light emission after energy capture
 - Light emission at slow rate after energy capture
 - Light emission at higher energy than that of absorbed energy
 - Essentially a property of only phosphorus containing molecules
32. Z form of DNA has:
- 10 base pairs per helical turn
 - 11 base pairs per helical turn
 - 12 base pairs per helical turn
 - 13 base pairs per helical turn

33. Decatenation is:
- Catalytic activation of DNA polymerase
 - Catalytic turnover potential of an enzyme
 - Denaturation of double helical DNA
 - Separation of two circular DNA molecules
34. Degeneracy of genetic code means:
- One specific codon encodes one specific amino acid
 - One specific codon can encode for more than one amino acid
 - More than one codon can encode for one specific amino acid
 - Some amino acids have no codon
35. The product of mixing depth and average wind speed within the mixing depth is known as:
- Mixing ratio
 - Ventilation coefficient
 - Stability coefficient
 - Saturation height
36. The wind blowing from the sub-tropical towards the sub-polar pressure belts are called:
- Easterlies
 - Westerlies
 - Trade winds
 - Planetary winds
37. Which of the following air pollutant is also known as grain alcohol?
- Methanol
 - Ethanol
 - Biodiesel
 - Gasohol
38. According to Stokes law the settling velocity is proportional to:
- d
 - d^2
 - $d^{1/2}$
 - $d^{3/4}$
39. Which of the following CFC is used in refrigerators?
- CFC-12
 - CFC-11
 - CFC-14
 - CFC-18
40. Tobacco smoking is source of:
- CO
 - PAHs
 - Particulate
 - Formaldehyde
41. The night time tropospheric chemistry is dominated by which of the following radical?
- Hydroxyl radical
 - Chlorine radical
 - Nitrate radical
 - Methyl radical
42. Which among the following areas in India has the largest number of endemic plant species?
- Himalayan region
 - Malabar region
 - Gangetic plains
 - Western Ghats

43. Which gas is mainly produced due to incomplete burning of wood?
- CO
 - SO₂
 - NO₂
 - NO₃
44. X-Ray films are a source of which of the following gas?
- SO₂
 - CO₂
 - NO₂
 - SO₃
45. Which of the following leads to disease called broncho spasm?
- SO₂
 - SO₃
 - SO₄
 - CO₂
46. Wind rose represents:
- Wind data
 - Wind turbulence
 - Wind pressure
 - Wind temperature
47. Coning plume occurs under which conditions?
- Super adiabatic
 - Sub adiabatic
 - Neutral
 - Inversion
48. Which of the following plume is worst for the dispersion of pollutants?
- Tapering
 - Fanning
 - Neutral
 - Fumigating
49. Which one of the listed minerals is formed during weathering of rocks on the surface of Earth?
- Quartz
 - Bauxite
 - Feldspar
 - Muscovite
50. Ekman transport occurs in the:
- Upper ocean
 - Meso-pelagic layer
 - Bathypelagic layer
 - Ocean bottom
51. When averaged over the entire globe, decreasing order of surface fluxes is:
- Latent heat, sensible heat, net long wave
 - Sensible heat, latent heat, net long wave
 - Net long wave, latent heat, sensible heat
 - Latent heat, net long wave, sensible heat
52. Limestone pavement which are distinctive nares landforms, are usually the results of one of the following process:
- Glacio-karstic
 - Fluvio-glacial
 - Glacio-marine
 - Fluvio-marine

53. In IPAT, “T” stands for:
- (A) The number of people
 - (B) The environmental effects of technology used to obtain and consume the resource
 - (C) Affluence which is a measure of the consumption or amount of resources used per person
 - (D) None of these
54. Which of the following condition occurs when the producer of a good or service does not have to pay the full costs of production?
- (A) Efficiency
 - (B) Abatement
 - (C) Externalities
 - (D) Tradable permits
55. Wavelength of ultra violet from electromagnetic spectrum ranges from:
- (A) 100 nm to 500 nm
 - (B) 200 nm to 400 nm
 - (C) 100 nm to 400 nm
 - (D) 200 nm to 500 nm
56. Mutualistic associations between fungi and the roots of all plants is called:
- (A) Mycorrhizae
 - (B) Mutualism
 - (C) Coevolution
 - (D) Parasitism
57. Assuming total population as 10,000 where birth rate is 600 per year and death rate is 200 per year. Then, the overall growth rate percentage per year is:
- (A) 1%
 - (B) 2%
 - (C) 3%
 - (D) 4%
58. An intersecting system that encompasses a biological community and its non-living, physical environment is known as:
- (A) Ecosystem
 - (B) Community
 - (C) Biome
 - (D) Habitat
59. Which element is used in making photovoltaic solar cells:
- (A) Tungsten
 - (B) Argentum
 - (C) Plumbum
 - (D) Silicon
60. A ground water storage area between impermeable layers of rock in which water is stored under pressure is called:
- (A) Sinkhole
 - (B) Artesian Aquifer
 - (C) Aqueducts
 - (D) Unconfined Aquifer

ROUGH WORK

ENTRANCE TEST-2024**SCHOOL OF EARTH AND ENVIRONMENTAL SCIENCES****ENVIRONMENTAL SCIENCE**

Question Booklet Series

A

Total Questions : 60
Time Allowed : 70 Minutes

Roll No. :

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1. What among the following is more appropriate for Repiti discontinuity inside the Earth ?

- (A) Between upper and lower crust
- (B) Between lower crust and upper mantle
- (C) Between lower mantle and outer core
- (D) None of the above

2. Which of the following situation is true regarding the carbon balance in Tundra ecosystem with time due to increasing and heavily permafrost thawing ?

- (A) Plants growing faster
- (B) More carbon out than in
- (C) More old carbon released
- (D) All of the above

3. Match List I with List II and select the appropriate combination :

List I	List II
A. Hadley Cell	1. Boundary between air masses that differ in temperature moisture & density
B. Ferrel Cell	2. North-South deflection of air currents of convective cells
C. Coriolis force	3. 0-30 degree N S
D. Front	4. Blow from East to West
E. Trade winds	5. 30-60 degree N S

- | | A | B | C | D | E |
|-----|---|---|---|---|---|
| (A) | 3 | 5 | 4 | 1 | 2 |
| (B) | 3 | 5 | 2 | 1 | 4 |
| (C) | 5 | 3 | 2 | 1 | 4 |
| (D) | 5 | 3 | 1 | 2 | 4 |

Match List I with List II and select the appropriate combination :

List I	List II
A. Theory of special creation	1. Oparin and Haldane
B. Spontaneous generation	2. Richter and Arrhenius
C. Cosmozoic	3. Aristotle and Needham
D. Chemical theory	4. Supernatural power

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

5. The term 'Biosphere' was first coined by which of the following scientist ?

- (A) Eduard Suess
- (B) Arthur George Tansley
- (C) Ernst Haeckel
- (D) George Evelyn Hutchinson

6. Which of the following is/are the important attributes of an ecosystem ?

- (A) Nutrient cycling
- (B) Energy flow
- (C) Biotic diversity
- (D) All of the above

7. Process of successful establishment of species in a new area/habitat is called :
- Nudation
 - Invasion
 - Ecesis
 - Sere
8. Markhor (*Capra falconeri*) an endangered mammal is found in which of the below mentioned area/region of the Kashmir Himalaya :
- Kazinag National park
 - Hirpora Wildlife Sanctuary
 - Both (A) and (B)
 - (A) is wrong but (B) is correct
9. The correct sequence in descending order of the following soil types in terms of coverage in India is :
- Alluvial, black, red, laterite
 - Alluvial, red, black, laterite
 - Alluvial, red, laterite, black
 - Red, alluvial, black, laterite
10. Which of the following substance has the highest specific heat (cal g^{-1}) ?
- Ethyl alcohol
 - Water
 - Ammonia
 - Ice at zero degree centigrade
11. In natural aquatic systems in which the following zones will have the highest peak for BOD :
- Septic zone
 - Decomposition zone
 - Recovery zone
 - Clean zone
12. Photochemical smog is a resultant of the reaction between :
- NO_2 , O_3 and PAN in the presence of sunlight
 - CO , CO_2 and NO_2 at low temperature
 - High concentration of NO_2 , O_3 and CO in the evening
 - CO , O_2 and PAN in the presence of sunlight
13. Which one of the following combination/s depicts correct right bank and left bank tributary combination/s of river Jhelum ?
- Arapal-Rembiara
 - Bringhi-Ningli
 - Both (A) and (B)
 - None of the above
14. Identify the wrong combination :
- Coenozoic- Age of mammals
 - Mesozoic-Age of reptiles
 - Paleozoic-Age of fishes
 - None of the above
15. Cave formation is more pronounced in which of the following rock types ?
- Basalt
 - Limestone
 - Granite
 - Sandstone
16. Which one of the following is a wrong match ?
- Chamoli disaster-2023
 - Himachal Pradesh flood-2023
 - Turkey earthquake-2023
 - Typhoon Saola-South China-2023

17. Champions of earth award (UNs highest Environment Honour) of 2023 was given to which of the following women ?
 (A) Josefina Belmonte
 (B) Ellen Macarthur
 (C) Blue Circle
 (D) All of the above
18. Which one of the following does not characterize Shallow Ecology ?
 (A) Environmental ethics
 (B) Intrinsic value
 (C) Eccentric
 (D) All of the above
19. Which of the following scientist gave the Gaia hypothesis ?
 (A) Joseph Grinnell
 (B) James Lovelock
 (C) Frederic Clements
 (D) Arne Naess
20. Identify which one of the following is not correctly matched?
 (A) Bishnoi movement – Rajasthan
 (B) Chipko movement-Uttarakhand
 (C) Tehri Dam conflict- Bihar
 (D) Appiko movement-Karnataka
21. Safe noise level is considered to depend on which of the following important factors ?
 (A) Frequency
 (B) Pitch
 (C) Both (A) and (B)
 (D) Noise level and exposure
22. In light of WHO data which of the following is/are related to Indoor air pollution exposure globally ?
 (A) Ischemic heart disease
 (B) Stroke
 (C) Cancer
 (D) All of the above
23. Which of the following is primarily responsible for acid precipitation ?
 (A) Sulphur dioxide
 (B) NO_x
 (C) Both (A) and (B)
 (D) A is wrong but B is correct
24. Which one of the following air pollution control devices is suitable for removal of finest dust particles from the air ?
 (A) Cyclone separator
 (B) Electrostatic precipitator
 (C) Fabric filter
 (D) Wet scrubber
25. Which of the following do you think is not a symptom of eutrophication process ?
 (A) Increase in productivity
 (B) Algal bloom
 (C) High total phosphorus
 (D) Low dissolved oxygen
26. Identify which one of the following disease is not a water-borne disease :
 (A) Hepatitis A
 (B) Poliomyelitis
 (C) Hepatitis B
 (D) Hepatitis E

27. Apart from fossil fuel production and intensive livestock farming which one of the following contribute to human sources of methane emissions globally :
- Landfill and waste
 - Biomass burning
 - Biofuel
 - All of the above
28. Development of saline and sodic soils are an outcome of which of the following factor/s ?
- Poor drainage
 - High evaporation
 - Low rainfall
 - All of the above
29. Lithium reserves were recently found in which of the following area in Jammu and Kashmir ?
- Reasi
 - Kathua
 - Kishtiwar
 - Rajouri
30. Identify which one of the below mentioned Sustainable Development Goal (SDG) number is related to Zero hunger ?
- SDG 1
 - SDG 2
 - SDG 4
 - SDG 13
31. Environmental performance index puts highest weightage in terms of percentage to which one of the below mentioned indicator ?
- Air quality
 - Water quality
 - Soil quality
 - None of the above
32. Identify the correct combination with regard to desert and region :
- Chalbi desert- South America
 - Dasht-e Lut - Iran
 - Registan desert- Kenya
 - Karakum desert-India
33. Which one of the following combination is properly matched ?
- | National Park/Wildlife sanctuary | State |
|----------------------------------|-------------------|
| (A) Kazinag National Park | Jammu and Kashmir |
| (B) Kaziranga National Park | Rajasthan |
| (C) Lachipora Wildlife Sanctuary | Himachal Pradesh |
| (D) Bandipur National Park | Assam |
34. Endangered black necked crane is found in which of the following areas ?
- Ladakh
 - Arunachal Pradesh
 - Both (A) and (B)
 - (A) is correct but (B) is wrong

35. Which of the following is true related to Biodiversity levels ?
- Genetic, population and ecosystem
 - Genetic, species and biome
 - Species, population and community
 - Genetic, species and ecosystem
36. Match the following lists I and II and select the most appropriate answer using the code given below the lists :
- | List I | List II |
|--------------------------|-------------------|
| a. Tso Khar | i. Madhya Pradesh |
| b. Chilka lake | ii. Jammu |
| c. Shallbugh wetland | iii. Ladakh |
| d. Bhoj wetland | iv. Kashmir |
| e. Surinsar-Mansar lakes | v. Odisha |
- Code : a. b. c. d. e.
- iii i iv v ii
 - iii v iv i ii
 - i v iv iii ii
 - v i iv iii ii
37. The inside wall of fluorescent tube is coated with which of the following material ?
- Sulphur powder
 - Phosphorus powder
 - Sodium
 - Krypton
38. Which of the following is correct about Carbon Positive Area ?
- Area with carbon emissions more than carbon sequestration
 - Area with carbon emissions balanced with carbon sequestration
 - Area with more carbon sequestration than carbon emissions
 - None of the above
39. Which of the following is most appropriate about green cities ?
- High carbon footprint
 - High water footprint
 - Low carbon footprint
 - All of the above
40. The concept and initiative of Green jobs is aimed to help :
- To cut energy, raw material and water consumption through efficient technology
 - De-carbonize the economy
 - Minimize waste and pollution
 - All of the above
41. Which of the following best explains why more contaminants are leached when solid waste is crushed into small particles and put in contact with water than when the particles are large ?
- Smaller particles have a larger surface area per unit volume than larger particles
 - Water penetrates larger particles more easily than small particles
 - Larger particles have greater density per unit weight
 - Internal pressure is greater in smaller particles than in larger particles

42. Sour crop disease in the worms in Vermiculture is attributed to which of the following ?
 (A) Too much protein in the bed
 (B) Overfeeding of worms
 (C) Both (A) and (B)
 (D) Fungal infection
43. Which of the following is not used in Vermicomposting ?
 (A) *Eisenia fetida*
 (B) *Eudrilus eugeniae*
 (C) *Perionyx excavates*
 (D) *Eisenia bicyclis*
44. Which of the following is true about the specification/ criteria (desirable limit) of arsenic and cadmium for drinking water monitoring in and around landfill sites in light of Solid Waste Management rules 2016 ?
 (A) 0.05 mg/L
 (B) 0.01 mg/L
 (C) 0.3 mg/L
 (D) 0.001mg/L
45. Which of the below mentioned country is not among top ten largest Methane emitting countries worldwide ?
 (A) Indonesia
 (B) Iran
 (C) Pakistan
 (D) Saudi Arabia
46. Which of the following is true about the contribution of solar (percentage) as of 2023 in installed generation capacity of electricity of India ?
 (A) 16%
 (B) < 5 %
 (C) 25 %
 (D) 40%
47. Nuclear energy contribution currently to the overall World electricity grid is approximately about :
 (A) 2%
 (B) 5%
 (C) 10%
 (D) 20%
48. Which of the below mentioned country currently occupies the top position in oil producing countries of the world ?
 (A) Russia
 (B) Saudi Arabia
 (C) USA
 (D) Canada
49. Match correctly List I (Global population distribution 2024) with List II (Freshwater Reserves 2024) :
- | List I | List II |
|-----------------------------|---------|
| A. America 12 % | 1. 5% |
| B. Europe 9% | 2. 36% |
| C. Africa 18% | 3. 11% |
| D. Asia 60% | 4. 8% |
| E. Australia and Oceania 1% | 5. 40% |
- Codes : A B C D E
- | | | | | | |
|-----|---|---|---|---|---|
| (A) | 5 | 4 | 3 | 1 | 2 |
| (B) | 5 | 4 | 3 | 2 | 1 |
| (C) | 2 | 1 | 3 | 4 | 5 |
| (D) | 2 | 1 | 3 | 5 | 4 |

50. In light of IPCC 2023 Report, the way forward for Climate resilient development should encompass which of the following ?
- Improving people's health and livelihood
 - Reducing poverty and hunger
 - Clean energy, water and air
 - All of the above
51. Identify among below mentioned substances which one is not coming under Ozone Depleting Substances (ODS) ?
- Chlorofluorocarbons (CFCs)
 - Methyl bromide
 - Carbon tetrachloride
 - All of the above
52. Identify which of the following pandemic event is not correctly matched :
- COVID-19 -2019-2023
 - HIV/AIDS Pandemic -1981 and onwards
 - Influenza Pandemic- 1957-58
 - Cholera Pandemic- 1946-60
53. Which of the following Indian personalities do you think have great contribution in the cause of Environmental Protection ?
- Sunita Narain
 - Anil Agarwal
 - M. C. Mehta
 - All of the above
54. Goals of Environmental Education were first formulated at :
- Tbilisi, USSR, 1977
 - UNESCO, 1977
 - Belgrade, Yugoslavia, 1975
 - Ahmedabad, India 2007
55. The World Environmental Education Congress (WEEC) in 2024 was held in which of the following country ?
- Abu Dhabi, United Arab Emirates
 - Prague, Czech Republic
 - Bangkok, Thailand
 - Canada
56. Match the list I (SDG 2015) and list II (Title/description) and select the correct answer from the codes given below the lists :
- | List I | | List II | |
|----------------|--|---------------------------------------|--|
| (SDG Goal No.) | | (SDG Goal Title/description) | |
| A. SDG No. 3 | | 1. Clean water and sanitation | |
| B. SDG No. 4 | | 2. Sustainable cities and communities | |
| C. SDG No. 6 | | 3. Good Health and well-being | |
| D. SDG No. 11 | | 4. Climate action | |
| E. SDG No. 13 | | 5. Quality education | |
- Codes : A B C D E
- | | | | | | |
|-----|---|---|---|---|---|
| (A) | 5 | 3 | 1 | 4 | 2 |
| (B) | 1 | 3 | 5 | 4 | 2 |
| (C) | 4 | 3 | 1 | 2 | 5 |
| (D) | 3 | 5 | 1 | 2 | 4 |

57. Polluter pay principle in the Indian context was invoked and upheld in which of the following case/s :
- (A) Indian Council of Enviro-legal action vs Union of India and others
- (B) Vellore citizens welfare forum vs Union of India and others
- (C) The Taj Trapezium case M.C. Mehta vs Union of India and Others
- (D) All of the above
58. Match list I and II and select the correct answer using the codes given below the lists :

List I

1. Air Pollution Act
2. Wildlife Protection Act
3. Article 48-A
4. Forty seven Amendment Act
5. Environmental Pollution Act
6. Article 51-A (g)

List II

- A. Citizen
- B. 1981
- C. 1972
- D. 1976
- E. State
- F. 1986

Codes :

- (A) 1-B, 2-C, 3-E, 4-D, 5-F, 6-A
- (B) 1-B, 2-C, 3-A, 4-D, 5-F, 6-E
- (C) 1-F, 2-C, 3-E, 4-D, 5-B, 6-A
- (D) 1-F, 2-C, 3-A, 4-D, 5-B, 6-E

59. Which of the following is the correct classification mentioned in Indian Forest Act?
- (A) Private forest, social forest and town forest
- (B) Tropical forests, deciduous forests and coniferous forests
- (C) Dry forests, wet forests and thorn forests
- (D) Protected forest, reserved forest and village forest
60. COP 28 of UNFCCC (UN Framework Convention on Climate Change) was held in which of the following country ?
- (A) Dubai
- (B) Egypt
- (C) United Kingdom
- (D) Spain