

QUESTION PAPER MAY 2018

Environmental Education

1. **Ozone hole was seen for the first time over Antarctica in:**
(a) 1919 (b) 1947
(c) 1994 (d) 1985 (D)
2. **Who is called as The Father of Biodiversity?**
(a) J.L. Westoby (b) E. Haeckel
(c) Robert Augst (d) E.O. Wilson (D)
3. **AIDS is the result of:**
(a) Bacteria (b) Virus
(c) Fungus (d) Protozoan (B)
4. **Active ingredient of tobacco is:**
(a) Alcohol (b) Nicotine
(c) Caffeine (d) Ethene (B)
5. **In an ecosystem, a food web consists of:**
(a) a portion of a food chain (b) consumers and decomposers
(c) inter-connected food chains (d) a set of similar producers (C)
6. **Propensity of pollutants to become concentrated at successive trophic levels is called:**
(a) Bioremediation (b) Biomagnification
(c) Biopiracy (d) Biorhythm (B)
7. **Which one of the following is a biodiversity hotspot in India?**
(a) Gulf of Mannar (b) Western Ghats
(c) Pachmarhi (d) Sunderbans (B)
8. **The concept of biodiversity hotspot was introduced by:**
(a) Christopher Columbus (b) Norman Myers
(c) WWF (d) Charles Darwin (B)
9. **In which year Bhopal Gas Tragedy occurred?**
(a) 1983 (b) 1984
(c) 1985 (d) 1991 (B)
10. **Pyramid of energy is always:**
(a) Inverted (b) Spindle shaped
(c) Upright (d) All the above (C)
11. **In India, Mangrove vegetation is found in:**
(a) Sunderbans (b) Western Ghats
(c) Shivalik hills (d) Deccan plateau (A)

12. **Carpets, Rugs, Curtains etc. cause indoor pollution because they:**
 (a) Emit Lead Oxide (b) Harbor Dust (C)
 (c) Harbour Spores of Bacteria and Fungi (d) All of the above
13. **CFC's are mainly generated by:**
 (a) Burning of wood (b) Garbage dumping (C)
 (c) Refrigeration system (d) Burning of paper
14. **What is known as Savanna and Steppe?**
 (a) Best type of wheat (b) Grasslands (B)
 (c) Names of cities (d) None
15. **Forest Research Institute is situated in:**
 (a) Delhi (b) Shimla (C)
 (c) Dehradun (d) Nainital
16. **Which is the largest desert of the world?**
 (a) Sahara Desert (b) Thar Desert (A)
 (c) Atacama Desert (d) Kalahari Desert
17. **Which of the following is an adverse effect of modern agriculture?**
 (a) Water scarcity (b) Water pollution (B)
 (c) Water logging (d) All of the above
18. **Which of the following is a possible producer in an ecosystem?**
 (a) Plants and some bacteria capable of producing their own food (A)
 (b) Animals (c) Human beings
 (d) Fish
19. **Eutrophication is:**
 (a) an improved water quality status of lakes
 (b) the result of accumulation of plant nutrients in water bodies (B)
 (c) a process in the carbon cycle
 (d) a water purification technique
20. **The term Acid Rain was first used in:**
 (a) 1872 (b) 1900 (A)
 (c) 1992 (d) 1998
21. **The term 'sustainable development' was brought into common use by the :**
 (a) UNCED, 1992 (b) Rio Declaration (C)
 (c) World Commission on Environment and Development, 1987
 (d) Agenda 21
22. **Our earth is in the shape of:**
 (a) Geoid (b) Ellipse (A)
 (c) Parabola (d) Sphere
23. **According to MSW (Management and Handling) Rules, 2000 the containers used to collect recyclable waste must be:**
 (a) Green (b) Black (C)
 (c) White (d) Red

24. An inversion of temperature can lead to phenomenon such as:
 (a) Aerosol formation (b) Smog formation
 (c) Groundwater pollution (d) Cloud formation (B)
25. What is the limit of BOD for effluent of be discharged into a water course?
 (a) 50 ppm (b) 30 ppm
 (c) 100 ppm (d) 150 ppm (B)
26. Which of the following can correct the alkalinity of the soil?
 (a) Vermicompost (b) NPK fertilizers
 (c) Gypsum (d) Calcium carbonate (D)
27. Which among the following is most energy efficient?
 (a) Incandescent bulb (b) Fluorescent tube light
 (c) Compact fluorescent lamp (d) Sodium lamp (C)
28. Montreal Protocol is also called as:
 (a) Treaty on Sustainable Development (b) Ozone Treaty
 (c) Stockholm Declaration (d) Brundtland Commission (B)
29. Scrubbers are used to control _____ and acid gases leaving the incinerator.
 (a) Particulates (b) Dioxins and furans
 (c) Heavy metals (d) HF (A)
30. The land that has been destroyed due to mining activity is called:
 (a) Extracted land (b) Derelict land
 (c) Saline land (d) Remnant land (B)
31. pH value of potable water is:
 (A) 10 – 11.5 (B) 6.5 – 8.0
 (C) 3.5 – 5.5 (D) 10.0 – 11.0 (B)
32. Hearing range of a normal healthy person is:
 (A) 2 – 20 Hz (B) 20 – 200 Hz
 (C) 20 Hz – 20 KHz (D) 20 KHz – 200 KHz (C)
33. Which of the following trees are grown for commercial purpose in social forestry?
 (A) Kikkar and Jamun (B) Shisham and Mango
 (C) Safeda and Poplar (D) Mango and Jamun (C)
34. Under which Act 'noise' has been specifically included as one of the pollutant:
 (A) The Environment (Protection) Act, 1986
 (B) The Water (Prevention and Control of Pollution) Act, 1974
 (C) The Air (Prevention and control of pollution) Act, 1981
 (D) The Forest Act, 1980 (C)
35. How many countries participated in the Copenhagen Summit, 2010?
 (A) 184 (B) 156
 (C) 192 (D) 193 (C)
36. Species that have a major impact on ecosystem is known as:
 (A) Flag species (B) Keystone species
 (C) Pioneer species (D) Crown species (B)

- 37. UNFCCC stands for:**
- (A) United Nations Framework Controversies on Climate Change
 (B) United Nations Framework Convention on Climate Change
 (C) United Nations Freedom Control on Climate Change
 (D) United Nations Framework Convention on Carbon Credits **(B)**
- 38. Which of the following is not an air pollutant?**
- (A) Noise
 (B) SO_2
 (C) Surface run off
 (D) NO_2 **(C)**
- 39. Which of the following pollutant emitted from vehicles will have maximum impact on respiratory system?**
- (A) CO_2
 (B) SO_2
 (C) PM_{10}
 (D) $PM_{2.5}$ **(C)**
- 40. Which of the following is not a water borne disease?**
- (A) Schistosomiasis
 (B) Parkinson disease
 (C) Gastroenteritis
 (D) Typhoid **(B)**
- 41. The Greenhouse Effect was discovered by:**
- (A) John Tyndall
 (B) Joseph Fourier
 (C) R.K. Pachauri
 (D) Arrhenius **(A)**
- 42. Which one of the following is not suitable for medical waste disposal?**
- (A) Autoclaving
 (B) Incineration
 (C) Composting
 (D) Chemical disinfection **(C)**
- 43. Which of the following is not used in Organic Farming?**
- (A) Crop Rotation
 (B) Organic Manures
 (C) Biofertilizers
 (D) Synthetic Chemicals **(D)**
- 44. The biggest biodiversity hot spot of the world is:**
- (A) Indo-Myanmar Region
 (B) Western Ghats of India
 (C) Atlantic Forest Region of Brazil
 (D) Western Ecuador **(A)**
- 45. Reverse Osmosis is a type of:**
- (A) Dead end filtration system
 (B) Cross flow filtration system
 (C) Ion exchange method
 (D) Micro filtration **(B)**
- 46. The removal of carbon dioxide from the earth's atmosphere and the provision of long term storage of carbon in the terrestrial biosphere is known as:**
- (A) Carbon sequestration
 (B) Carbon dating
 (C) Carbon fixing
 (D) Photosynthesis **(C)**
- 47. The Wildlife Week is celebrated on:**
- (A) 1 – 7 June
 (B) 1 – 7 November
 (C) 1 – 7 October
 (D) 11 – 7 October **(C)**
- 48. Blue Baby Syndrome is caused by:**
- (A) Arsenic
 (B) Chromium
 (C) Chlorides
 (D) Nitrates **(D)**

49. The term **MAB** stands for:
 (A) Man and Biology Programme (B) Man and Biosphere Programme
 (C) Mammal and Biology Programme (D) Mammal and Biosphere Programme (B)
50. A trophic level refers to:
 (A) Area in the tropics (B) An organism's position in a food chain
 (C) An organism's position in an ecosystem (D) An organism's position in a biome (B)

UNIT-II (ROAD SAFETY EDUCATION)

51. The objective of the Traffic Warden Scheme:
 (A) To appoint traffic police officials (B) To appoint traffic wardens
 (C) To appoint traffic women police employees
 (D) To appoint traffic citizens volunteers (D)
52. Medical certificate is compulsory for:
 (A) Private Vehicles (B) Light Motor Vehicles
 (C) Commercial Vehicles (D) Two-wheelers (C)
53. Validity of driving license for vehicles carrying hazardous chemicals is:
 (A) One year (B) Three years
 (C) Five years (D) Twenty years (A)
**This has been changed to three years under provisions of Motor Vehicles (Amendment) Act 2019*
54. At roundabout, traffic from which direction have the right to Enter?
 (A) Traffic to your left (B) Traffic to your right
 (C) Traffic from front (D) Traffic from anywhere (B)
55. Precautions during foggy conditions:
 (A) Use of fog lights (B) Use of slow speed and fog lights
 (C) Use of high beam (D) Use of slow speed and high beam (B)
56. Motor Vehicle Act was enacted in:
 (A) 1989 (B) 1988
 (C) 1984 (D) 1982 (B)
57. Traffic Engineering relates to:
 (A) Road geometry (B) Sidewalks and Crosswalks
 (C) Cycling infrastructure (D) All of the above (D)
58. Object of Road Safety Audit:
 (A) To challan vehicles (B) To ensure compliance of road rules
 (C) To evaluate working of traffic police (D) To evaluate road and traffic control system (D)
59. Penalty for use of mobile during driving:
 (A) Rs. 100 (B) Rs. 5,000
 (C) Rs. 3,000 (D) Rs. 1,000 (D)
**This has been increased to Rs. 5000 under provisions of Motor Vehicles (Amendment) Act 2019*
60. Categories of road signs does not include:
 (A) Hand signs (B) Regulatory signs
 (C) Warning signs (D) Informatory signs (A)

61. Maximum weight load for rickshaw with no passenger:

- (A) 100 kgs (B) 10 kgs (A)
(C) 70 kgs (D) 50 kgs

62. School bus should be painted with:

- (A) Yellow color with green strip (B) Yellow color with silver strip (C)
(C) Yellow color with blue strip (D) Yellow color with red strip

63. Penalty for driving without Helmet:

- (A) Rs. 200 (B) Rs. 100 (B)
(C) Rs. 500 (D) Rs. 800

**This has been increased to Rs. 1000 under provisions of Motor Vehicles (Amendment) Act 2019*

64. Application Form no. 20 relates to:

- (A) Duplicate License (B) Permanent License (C)
(C) Registration of Vehicles (D) Income Tax Information

65. Flashing yellow signal signifies:

- (A) Road is clear (B) Intersection is existing (D)
(C) Slow speed; school ahead (D) Slow speed; proceed with caution

66. Highway Assessment Programme is concerned with:

- (A) Road safety audit through camera recording (A)
(B) Measuring speed of vehicles
(C) Cycling infrastructure
(D) Vehicle risk insurance

67. Traffic awareness among citizens does not include:

- (A) Traffic Drills (B) Traffic Law Enforcement (B)
(C) Traffic Parades (D) Traffic Awareness Campaigns

68. Section 129 of Motor Vehicles Act, 1988 relates to:

- (A) Seatbelt standards of BIS (B) Helmet standards of BIS (B)
(C) Horn Standards of BIS (D) None of the above

69. What does this sign indicates:



- (A) No right turn (B) Overtaking prohibited (B)
(C) No entry (D) Go straight only

70. What does this sign indicates:



- (A) No entry (B) Trucks prohibited (B)
(C) Vehicles prohibited (D) Four wheelers prohibited

- 71. In which amendment Section 498 A was added?**
- (a) Criminal Law Amendment Act, 1976 (b) Criminal Law Amendment Act, 1983
(c) Criminal Law Amendment Act, 1990 (d) Criminal Law Amendment Act, 1986 **(B)**
- 72. Section 354 B defines offence:**
- (a) Physical contact and advances (b) Assault or using criminal force
(c) Follows woman (d) Watches and captures images **(A)**
- 73. What is the punishment for voluntarily causing grievous hurt?**
- (a) Imprisonment of either description for a term which may extend to eight years and shall also be liable to fine
(b) Imprisonment of either description for a term which may extend to seven years and shall also be liable to fine
(c) Imprisonment of either description for a term which may extend to eight years or fine
(d) Imprisonment of either description for a term which may extend to seven years or fine **(B)**
- 74. Section 319 of India Penal Code defines:**
- (a) Grievous hurt (b) Causing miscarriage without woman's consent
(c) Hurt (d) Causing miscarriage **(C)**
- 75. Which section defines Acid attack?**
- (a) 326 (b) 326A
(c) 326B (d) 326C **(B)**
- 76. What is minimum punishment for the offence of acid attack?**
- (a) Minimum 10 years imprisonment (b) Minimum 7 years imprisonment
(c) Up to 10 years imprisonment (d) None of above **(A)**
- 77. Punishment for the offence of rape in aggravated situation is:**
- (a) Rigorous imprisonment for a term which shall not be less than 7 years, but which may extend to imprisonment for life.
(b) Imprisonment of either description for a term which may extend to 10 years and shall also be liable to fine
(c) Imprisonment of either description for a term which may extend to 14 years and shall also be liable to fine
(d) Rigorous imprisonment for a term which shall not be less than 10 years, but which may extend to imprisonment for life. **(D)**
- 78. Section 376A states:**
- (a) Causes the person to be in persistent vegetative state
(b) Causes grievous hurt of a person
(c) Causes hurt of a person
(d) None of all **(A)**
- 79. Section 313 states:**
- (a) Offence with consent (b) Offence without consent
(c) Offence with the consent of other (d) None of above **(B)**
- 80. Section 361 of IPC states:**
- (a) Kidnapping from lawful guardianship (b) Kidnapping from unlawful guardianship
(c) Kidnapping from guardianship (d) None of above **(A)**

- 81. Who shall constitute Internal Complaint Committee?**
- (a) Employer (b) Magistrate (A)
(c) Presiding Officer (d) None of above
- 82. What is the term period of holding the office as a member of ICC?**
- (a) 3 years (b) Not exceeding three years (B)
(c) 4 years (d) 5 years
- 83. What is time period for filing complaint of sexual harassment at workplace to ICC if so constituted or Local Committee, in case it is not so constituted?**
- (a) Within a period of 4 month from the date of incident
(b) Within a period of 5 months from the date of incident
(c) Within a period of 6 months from the date of incident
(d) Within a period of 3 months from date of incident (D)
- 84. Section 509 defines:**
- (a) Word, gesture or act intended to insult the modesty of woman
(b) Gesture or act intended to harm the modesty of woman
(c) Word, insult and gesture intended to harm the dignity of woman
(d) None of above (A)
- 85. What is the punishment prescribed under IPC for the offence of obscene acts and songs?**
- (a) Imprisonment of either description for a term which may extend to 6 months, or fine or both
(b) Imprisonment of either description for a term which may extend to 4 months, or fine or both
(c) Imprisonment of either description for a term which may extend to 3 months, or fine or both
(d) Simple imprisonment of 4 months and fine (C)
- 86. In which amendment Section 304 B was added?**
- (a) The Dowry Prohibition (Amendment) Act, 1986
(b) Criminal Law Amendment Act, 1983
(c) The Dowry Prohibition (Amendment) Act, 1983
(d) Criminal Law Amendment Act, 1990 (A)
- 87. What is penalty prescribed for the offence of dowry death under IPC?**
- (a) Imprisonment for not less than 8 years, but up to life imprisonment or fine
(b) Imprisonment for not less than 7 years, but up to life imprisonment or fine
(c) Imprisonment for not less than 10 years, but up to life imprisonment or fine
(d) None of above (D)
- 88. Cruelty to a woman by husband or relative of husband is defined under:**
- (a) Section 498B of IPC (b) Section 498A of IPC
(c) Section 497 of IPC (d) Section 496A of IPC (B)
- 89. Which Section does provide for offence of committing sexual intercourse with his wife, who is living separately under a decree of separation or otherwise, without her consent?**
- (a) 376B (b) 376A
(c) 376 (d) 376D (A)

90. Sexual intercourse by a man with a woman even with her consent is a rape if she is below:
- (a) 16 years (b) 17 years
(c) 18 years (d) 15 years (A)
91. Which section of IPC deals with dowry death?
- (a) 304-A (b) 498A
(c) 304B (d) 498D (C)
92. For the punishment of offence of dowry death the woman died:
- (a) Within 8 years of marriage (b) Within 7 years of marriage
(c) Within 4 years of marriage (d) Within 5 years of marriage (B)
93. Where does the person give information if he has reason to believe that an act of domestic violence has been or is likely to be committed?
- (a) Magistrate (b) Protection officer
(c) Service provider (d) Police (B)
94. What is penalty for the breach of protection order by respondent?
- (a) With imprisonment of either description for a term which may extend to one year or with fine which may extend to 2500 rupees
(b) With imprisonment of either description for a term which may extend to one year or with fine which may extend to 2500 rupees or both
(c) With imprisonment of either description for a term which may extend to 2 years or with fine which may extend to 2500 rupees
(d) None of above (D)
95. Physical violence includes:
- (a) Murder (b) Forced sexual violence
(c) Exhibitionism (d) Forced prostitution (A)
96. Emotional violence does not include:
- (a) Denial of sexual information and education (b) Jealousy
(c) Humiliating (d) Destroying possessions (A)
97. Which section defines abduction?
- (a) 362 (b) 363
(c) 362A (d) 364 (A)
98. Which section defines importation of girl from foreign country?
- (a) 366A (b) 366B
(c) 366C (d) 366 (B)
99. Which section provides for medical examination of a child by woman doctor under POSCO Act, 2012?
- (a) Section 27 (b) Section 27(1)
(c) Section 27(2) (d) Section 27(3) (A)
100. Which section of POSCO Act, 2012 provide the punishment for committing sexual harassment upon a child?
- (a) Section 13 (b) Section 12
(c) Section 20 (d) Section 18 (B)