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TEST SERIES - 1 FOR RANGER

2022-2023

TEST SERIES - 1
FULL MARKS : 200 * TIME : 2 HOURS

1. National Green Tribunal (NGT) was established by the Government of India in :
(a) 2007 (b) 2008 (c) 2009 (d) 2010.
2. The symbol 'ECOMARK' is related to which of the following? :
(a) Goods safe for environment (b) Goods of best quality
(c) Imported goods (d) Exported goods.
3. Environment is a composite state of :
(a) Biotic factors (b) Physiographic factors
(c) Abiotic factors (d) All the above.
4. Environmental degradation means :
(a) Overall degradation of environmental attributes
(b) Adverse changes brought in by human activities
(c) Ecological imbalance because of ecological diversity
(d) All the above.
5. Sustainable agriculture means :
(a) Self sufficiency
(b) To be able to export and import under WTO norms
(c) To utilize land so that its quality remains intact
(d) To utilize wasteland for agriculture use.
6. Which one of the following agricultural practices is eco-friendly?
(a) Organic farming (b) Shifting cultivation
(c) Cultivation of high yielding varieties (d) Growing plants in glass-houses.
7. Environment Protection Act (EPA) is also known as :
(a) Umbrella Legislation (b) Chhadi Mubarak
(c) Environment Legislation (d) Eco Safety Law.
8. NEA stands for :
(a) National Enquiry Act (b) National Environment Authority
(c) National Examination Agency (d) National Event Association.
9. World Environment Day is celebrated on :
(a) December 1 (b) June 5 (c) November 14 (d) August 15.
10. The World Forestry Day is observed on :
(a) 8th March (b) 15th March (c) 21st March (d) 22nd March.
11. Which of the following States in India has recently introduced the 'Greenhouse Farming'?

- (a) Haryana (b) Punjab (c) Maharashtra (d) Uttar Pradesh.
12. Which country introduced 'Green Army' for the environment conservation?
(a) Japan (b) China (c) Australia (d) Egypt.
13. The basis of Indira Gandhi Environment Award given every year is :
(a) Sensible contribution in the field of environment
(b) Excellent contribution in the field of Afforestation
(c) Excellent contribution in the field of development of barren land
(d) Exemplary work in the field of conservation.
14. 'Global 500' award is given for :
(a) Population control (b) Movement against terrorism
(c) Environment immunity (d) Movement against intoxicant.
15. Indian Institute of Ecology and Environment is located in :
(a) New Delhi (b) Mumbai (c) Kolkata (d) Assam.
16. National Botanical Research Institute is located at :
(a) Kanpur (b) Dhampur (c) Rampur (d) Lucknow.
17. 'Van Mahotsav' week is celebrated every year in Uttar Pradesh :
(a) 8th July to 15th July (b) 16th July to 22nd July
(c) 1st July to 7th July (d) 23rd July to 30th July.
18. In which year Ministry of Environment was set up in India?
(a) 1970 A.D. (b) 1974 A.D. (c) 1980 A.D. (d) 1985 A.D.
19. Where the Mitti Bachao (Save the soil) Movement started in India?
(a) Thane, Maharashtra (b) Mysore, Karnataka
(c) Darbhanga, Bihar (d) Hoshangabad, Madhya Pradesh.
20. The entire sequence of communities, that successively change in a given area are called as :
(a) Ecological succession (b) Sere
(c) Community dynamics (d) Pyramid of biomass.
21. The movement of nutrient elements through the various components of an ecosystem is called :
(a) Bio-geo-chemical cycle (b) Bio-geological cycle
(c) Ecological succession (d) Biological cycle.
22. The concept of 'Ecological Transition' was first used by :
(a) Elton (b) Bennett (c) Berkeley (d) Ratzel.
23. 'Ecology' is the study of relationship between :
(a) Organism and Environment (b) Man and Forest
(c) Soil and Water (d) Husband and Wife.

24. The actual location or place where an organism lives is called :
 (a) Habitat (b) Ecosystem (c) Niche (d) Biome.
25. The cycling of elements in an ecosystem is called :
 (a) Chemical cycles (b) Biogeochemical cycles
 (c) Geological succession (d) Geochemical cycle.
26. Which of the following statements is correct about Synecology?
 (a) It is the study of relations of the different communities with the environment.
 (b) It is the study of complex traditional relationships of bio-communities.
 (c) This is basically the natural habitat ecology
 (d) It is mainly social ecology.
27. Who of the following used the term 'deep ecology' for the first time?
 (a) E.P. Odum (b) C. Raunkiaer
 (c) F.E. Clements (d) Arnie Naess.
28. Which one of the following is the largest ecosystem of the world? :
 (a) Ocean (b) Grassland (c) Forest (d) Mountains.
29. In a food chain, man is :
 (a) Producer (b) Only primary consumer
 (c) Only secondary consumer (d) Primary as well as secondary consumer.
30. Which of the following constitute a food chain?
 (a) Grass, Wheat and Mangos (b) Grass, Goat and Human
 (c) Goat, Cow and Elephant (d) Grass, Fish and Goat.
31. Which one of the following terms describes not only the physical space occupied by an organism, but also its functional role in the community of organisms?
 (a) Ecotone (b) Ecological niche (c) Habitat (d) Home range.
32. In the exosystem the durable bio group is called :
 (a) Ecotone (b) Succession (c) Climax (d) Siril.
33. The sequential change in the growth of a field is called :
 (a) Biosphere (b) Succession (c) Nutrition level (d) Extreme state.
34. 10 percent law is related with :
 (a) Transfer of energy as food from one trophic level to other.
 (b) Transfer of heat from one matter to another.
 (c) Transfer of water from one zone to another.
 (d) None of these.
35. The pyramid in an ecosystem is always :
 (a) Adverse (b) Quadratic (c) Curved (d) Straight.
36. Which of the following is an act that disturbs the ecological balance?

- (a) Lumbering (b) Social Forestry
(c) Van Mahotsav (d) Afforestation.
37. Which of the following tree is not Eco-Friendly :
(a) Babul (b) Eucalyptus (c) Neem (d) Pipal.
38. Which of the following forests is known as the “lungs of the planet earth”?
(a) Taiga forest (b) Tundra forest
(c) Amazon rain forest (d) Rain forest of North-East India.
39. “Ecology is permanent economy” is the slogan of which movement?
(a) Appiko Movement (b) Narmada Bachao Movement
(c) Chipko Movement (d) None of the above.
40. “Appiko Movement” was led by :
(a) Sunderlal Bahuguna (b) Pandurang Hegde
(c) Vandana Shiva (d) Amrita.
41. In the grassland, trees do not replace the grasses as a part of an ecological succession because of :
(a) Insects and fungi (b) Limited sunlight and paucity of nutrients
(c) Water limits and fire (d) None of the above.
42. The number of organisms that can be supported by the environment in a given area is known as :
(a) Population (b) Carrying Capacity
(c) Pyramid of number or Biomass (d) Biomass.
43. Which of the following is the largest ecosystem of the earth? :
(a) Hydrosphere (b) Biome (c) Lithosphere (d) Biosphere.
44. Biodiversity means :
(a) Diverse kinds of plants and vegetation.
(b) Diverse kinds of animals.
(c) Diverse kinds of plants and animals in particular area.
(d) Diverse kinds of exotic plants and animals.
45. Which of the following is NOT responsible for increase in the biodiversity of an ecosystem? :
(a) Productivity of the ecosystem (b) Intermediate disturbance
(c) Age of the ecosystem (d) Less number of trophic levels.
46. Which of the following gas is commonly used in Cryo-Bank for the ex-situ conservation?:
(a) Nitrogen (b) Oxygen (c) Carbon dioxide (d) Methane.
47. Consider the following statements :

- i. Biodiversity is normally greater in lower latitudes as compared to the higher latitudes.
- ii. Along the mountain gradients, biodiversity is normally greater in the lower altitudes as compared to higher altitudes.
- Which of the statements given above is / are correct :
- (a) i only (b) ii only (c) Both i and ii (d) Neither i nor ii.
48. Which of the following statement is NOT true? :
- (a) Species diversity increases from equator towards poles.
 (b) Tropics harbour more species than temperate areas.
 (c) Greatest biodiversity occurs in Amazonian rain forest.
 (d) Species diversity decreases from temperate areas towards poles.
49. Vast majority of biodiversity occur in :
- (a) Developing countries (b) Developed countries
 (c) Equal in both (d) None of the above.
50. Which one of the following ecosystem has maximum plant bio mass? :
- (a) Tropical deciduous forest (b) Tropical rain forest
 (c) Temperate deciduous forest (d) Deserts shrubs.
51. In which environment the annual production of bio-mass is minimal? :
- (a) Deep Ocean (b) Prairie (c) Deciduous forest (d) Taiga.
52. The United Nations has declared the decade 2011-2020 as the UN decade of :
- (a) Biodiversity (b) Eradication of poverty
 (c) Water for all (d) Sustainable energy for all.
53. The Biodiversity Act was passed by the Indians Parliament in :
- (a) May, 2000 (b) December, 2002
 (c) January, 2004 (d) October, 2008.
54. Which one of the following is not a reason for the loss of biodiversity in Uttarakhand? :
- (a) Expansion of roads (b) Urbanization
 (c) Afforestation of barren land (d) Extension of agriculture.
55. The Himalayan Range is very rich in species diversity. Which one among the following is the most appropriate reason for this phenomenon? :
- (a) It has a high rainfall that supports luxuriant vegetative growth.
 (b) It is a confluence of different bio-geographical zones.
 (c) Exotic and invasive species have not been introduced in this region.
 (d) It has less human interference.
56. Low nutritious concentration reservoir is found in :
- (a) Littoral zone (b) Oligorophic zone
 (c) Neritic zone (d) Floor zone.

57. The most toxic metal pollutant of automobile exhaust is :
 (a) Copper (b) Lead (c) Cadmium (d) None of the above.
58. The main pollutant in the smoke coming from cigarette is :
 (a) Carbon monoxide & Dioxicine (b) Carbon monoxide and Nicotine.
 (c) Carbon monoxide and Benzene (d) Dioxicine and Benzene.
59. The biggest source of air pollution in big cities of India is :
 (a) Thermal power section (b) Industrial section
 (c) Urban solid waste (d) Transport section.
60. What is formed by flying of 'Supersonic Jet'? :
 (a) Pollution in air (b) Eye disease
 (c) Interruption in Ozone layer (d) None of the above.
61. 'Euro norms' are meant for :
 (a) Regulating vehicular speed (b) Classify size of the vehicle
 (c) Regulating vehicular emission of harmful ases
 (d) Specifying power of the engine.
62. Human made pollutant are called :
 (a) Xenobiotics (b) Antibiotics (c) Humalins (d) Anthropogenic.
63. The polluted atmosphere is cleaned by which of the following? :
 (a) Oxygen (b) Rain (c) Nitrogen (d) Air.
64. Which one of the following polymers is not biodegradable?:
 (a) Cellulose (b) Starch (c) Protein (d) P.V.C.
65. Which one of the following is biodegradable?:
 (a) Plastic (b) Polythene (c) Mercury (d) Rubber.
66. Most suitable tree to stop dust pollution is :
 (a) Sita Ashoka (b) Mahua (c) Poplar (d) Neem.
67. Which of the following energy sources produces NO atmospheric pollution?:
 (a) Nuclear energy (b) Solar energy
 (c) Petroleum energy (d) Coal energy.
68. Which one of the following is an air pollutant gas and is released by fossil fuel?:
 (a) Hydrogen (b) Nitrogen (c) Oxygen (d) Sulpher dioxide.
69. Which of the following countries suffer from the acid rains?:
 (i) Canada (ii) France (iii) Norway (iv) Germany.
 Select the correct answer from the code given below :
 (a) i and ii (b) i and iii (c) ii and iii (d) iii and iv.
70. The International Acid Rain Information Center has been established at :
 (a) Berlin (b) Oslo (c) Osaka (d) Manchester.

71. Which of the following is not a water pollutant? :
- (a) Zinc (b) Copper (c) Nickel (d) Sulpher dioxide.
72. The biological oxygen demand of water is reduced mainly by :
- (a) Primary treatment (b) Secondary treatment
(c) Tertiary treatment (d) None of the above.
73. Why there a great concern about the 'microbeads' that is released into environment?:
- (a) They are considered harmful to marine ecosystems.
(b) They are considered to cause skin cancer in children.
(c) They are small enough to be absorbed by crop plants in irrigated fields.
(d) They are often found to be used as food adulterants.
74. Which bacterial strain, developed from natural isolates by genetic manipulations, can be used for targeting oil spills? :
- (a) Agrobacterium (b) Clostridium
(c) Nitrosomonas (d) Pseudomonas.
75. If water pollution continues at its present rate, it will eventually?:
- (a) Prevent precipitation
(b) Stop water cycle.
(c) Make oxygen molecules unavailable to aquatic life.
(d) Make nitrate unavailable to aquatic life.
76. 'Green muffler' is used to protect from which type of pollution?
- (a) Air (b) Water (c) Soil (d) Noise.
77. Which of the following is the reason for maximum noise pollution? :
- (a) Heavy truck transport (b) Election committees
(c) Pop music (d) Jet flying.
78. 'Knock-Knee syndrome' is caused by the pollution of?
- (a) Mercury (b) Lead (c) Arsenic (d) Fluoride.
79. Which one of the following gases is released mostly from landfills in urban areas?
- (a) Nitrogen (b) Hydrogen (c) Methane (d) Oxygen.
80. The crew and passangers of a flying aircraft suffer generally from chronic obstructive pulmonary disease due to the effect of :
- (a) Solar radiation (b) Ozone concentration
(c) Nitrogen oxide (d) Particulate pollutant.
81. Which one of the following is not related to air pollution?
- (a) Smog (b) Acid Rain (c) Eutrophication (d) Asbestosis.
82. A pesticide which is a chlorinated hydrocarbon is sprayed on a food crop. The food chain is : Food crop - Rat - Snake - Hawk, in this food chain the highest concentration of the pesticide would accumulate in which one of the following?

- (a) Food crop (b) Rat (c) Snake (d) Hawk.
83. On the basis of assessment of DDT concentrations in the aqueous environment, the level of pollution in the food chain increases in the following sequence :
- (a) Bird, Fish, Snail, Aquatic plants (b) Aquatic plants, Snail, Fish, Bird
(c) Snail, Fish, Bird, Aquatic plants (d) Snail, Bird, Fish, Aquatic plants.
84. Without greenhouse effect the average temperature of earth surface would be?
- (a) 0°C (b) -18°C (c) 5°C (d) -20°C.
85. The increasing amount of carbon dioxide in the air is slowly raising the temperature of the atmosphere, because it absorbs :
- (a) The water vapour of the air and retains its heat
(b) The ultraviolet part of the solar radiation
(c) All the solar radiations
(d) The infrared part of the solar radiation.
86. The total amount of green-house gases produced, to directly and indirectly support human activities, is referred to as :
- (a) Carbon dioxide index (b) Carbon footprint
(c) Carbon sequestration (d) Carbon capture.
87. As a result of global warming the frequency and severity of which of the following are increasing due to global warming? :
- (a) Cyclones only (b) Storms only
(c) Hurricanes only (d) All of the above.
88. Consider the following :
- (1) Rice fields (2) Coal mining
(3) Domestic animals (4) Wetlands.
- Which of the above are sources of methane, a major greenhouse gas? :*
- (a) 1 and 4 only (b) 2 and 3 only
(c) 1, 2 and 3 only (d) 1, 2, 3 and 4.
89. The greenhouse gas liberated by cud-chewing animals is :
- (a) Carbon dioxide (b) Methane (c) CFC (d) Nitrous oxide.
90. Which one of the following is the most fragile eco-system that will be first affected by global warming? :
- (a) Arctic and Greenland ice sheet (b) Amazon rain forest
(c) Taiga (d) Indian monsoon.
91. Which of the following countries was the largest emitter of CO₂ in 2015??
- (a) China (b) USA (c) India (d) France.
92. India's sub-division in global green house gases is :
- (a) 1% (b) 2% (c) 3% (d) 5%.

93. Which of the following is known as 'carbon negative country' in the world?
(a) Afghanistan (b) Bahrain (c) Bhutan (d) Nepal.
94. Which one of the following countries is the first country in the world to propose a carbon tax for its people to the address global warming?
(a) Australia (b) Germany (c) Japan (d) New Zealand.
95. Which one of the following countries had announced to impose 'Carbon Tax' from 2019 to control greenhouse gas emission?
(a) Singapore (b) China (c) Thailand (d) India.
96. Which of the following represents the average increase in earth's temperature during last century?
(a) 0.6° Celsius (b) 0.7° Celsius (c) 0.8° Celsius (d) 0.9° Celsius.
97. Scientist of Manchester University have recently suggested formation of brightened clouds over Pacific by geo engineering to prevent further increase in global warming. What is sprayed in the atmosphere to achieve this?
(a) Silver salts (b) Iron filings (c) Sea water (d) Gypsum.
98. The radiation that is absorbed by ozone present in the atmosphere is :
(a) Infrared (b) Visible (c) Ultraviolet (d) Microwave.
99. Ozone holes are more pronounced at the :
(a) Equator (b) Tropic of Cancer
(c) Tropic of Capricorn (d) Poles.
100. Who among the following had discovered 'ozone hole' over Tibetan Plateau in 2005?:
(a) M. Molina (b) Joseph Farman
(c) G. W. Kent Moore (d) Marcus Rex.

1. a b c d 0000	5. a b c d 0000	9. a b c d 0000	13. a b c d 0000	17. a b c d 0000
2. 0000	6. 0000	10. 0000	14. 0000	18. 0000
3. 0000	7. 0000	11. 0000	15. 0000	19. 0000
4. 0000	8. 0000	12. 0000	16. 0000	20. 0000
21. a b c d 0000	25. a b c d 0000	29. a b c d 0000	33. a b c d 0000	37. a b c d 0000
22. 0000	26. 0000	30. 0000	34. 0000	38. 0000
23. 0000	27. 0000	31. 0000	35. 0000	39. 0000
24. 0000	28. 0000	32. 0000	36. 0000	40. 0000
41. a b c d 0000	45. a b c d 0000	49. a b c d 0000	53. a b c d 0000	57. a b c d 0000
42. 0000	46. 0000	50. 0000	54. 0000	58. 0000
43. 0000	47. 0000	51. 0000	55. 0000	59. 0000
44. 0000	48. 0000	52. 0000	56. 0000	60. 0000
61. a b c d 0000	65. a b c d 0000	69. a b c d 0000	73. a b c d 0000	77. a b c d 0000
62. 0000	66. 0000	70. 0000	74. 0000	78. 0000
63. 0000	67. 0000	71. 0000	75. 0000	79. 0000
64. 0000	68. 0000	72. 0000	76. 0000	80. 0000
81. a b c d 0000	85. a b c d 0000	89. a b c d 0000	93. a b c d 0000	97. a b c d 0000
82. 0000	86. 0000	90. 0000	94. 0000	98. 0000
83. 0000	87. 0000	91. 0000	95. 0000	99. 0000
84. 0000	88. 0000	92. 0000	96. 0000	100.0000

Name : _____

Date : _____