

CL_IX_EVS_HY (PAPER-II) SESSION-21-22

IX EVS HALF YEARLY PAPER II

TIME: 40 MINUTES

MARKS:30

The respondent's email (**null**) was recorded on submission of this form.

*** Required**

1. Email *

2. NAME: *

3. CLASS AND SECTION *

Mark only one oval.

☐ 9H

QUESTION

1

Read the paragraph given below and answer the questions that follow

Though development is aimed at improving the global economy and standard of living, yet it is leading to several environmental problems that ultimately degrade environment and human health. A major cause of this is unsustainable resource use and unsustainable growth practices.

4. 1. The human activity, among the following, which causes maximum environmental pollution having regional and global impacts, is: *
- 1 point

Mark only one oval.

- ☐ Urbanization
- ☐ Industrialisation
- ☐ Agriculture
- ☐ Mining

5. 2. 'Meeting the needs of the present without compromising the ability of future generation to meet their own need' is given by: *
- 1 point

Mark only one oval.

- ☐ Brundtland
- ☐ Mahatma Gandhi
- ☐ Maathai
- ☐ Sunderlal Bahugana

6. 3. Sustainable development will not aim at: *
- 1 point

Mark only one oval.

- ☐ Social economic development which optimise the economic and societal benefits available in the present, without spoiling the likely potential for similar benefits in the future
- ☐ Reasonable and equitable distributed level of economic well being that can be perpetuated continually
- ☐ Development that meets the need of the present without compromising the ability of future generation to meet their own needs
- ☐ Maximising the present day benefits through increased resource consumption

7. 4. Greenhouse effect is enhanced in the environment by the gas *

1 point

Mark only one oval.

- ☐ Carbon dioxide
- ☐ Carbon monoxide
- ☐ Fluorocarbons
- ☐ Nitrogen dioxide

8. 5. Which is not a major cause of deforestation? *

1 point

Mark only one oval.

- ☐ Shifting cultivation
- ☐ Collection of non timber forest products
- ☐ Fuel requirements
- ☐ Raw materials for industries
- ☐ Option 5

QUESTION

2

Read the passage and answer the questions that follow:

The COVID-19 pandemic is estimated to push an additional 88 million to 115 million people into extreme poverty with the total rising to as many as 150 million by 2021, depending on the severity of the economic contraction. Extreme poverty, defined as living on less than \$1.90 a day, is likely to affect between 9.1% and 9.4% of the world's population in 2020, according to the biennial Poverty and Shared Prosperity Report.

9. 1. A 'debt trap' means _____. *

1 point

Mark only one oval.

- ☐ ability to repay credit amount
- ☐ overspending till no money is left
- ☐ spending wisely to save money.
- ☐ not able to repay credit amount

10. 2. Consider the following statements I. Multidimensional poverty index was introduced in 2010 II. It uses different factors to determine poverty beyond income-based lists. III. It has replaced Human Poverty Index. IV. It reflects deprivations in very rudimentary services and core human functioning for people. Which of above statement is/are correct? *
- 1 point

Mark only one oval.

- ☐ All are correct
- ☐ only I and II
- ☐ Only III
- ☐ Only II and IV

11. 3. Women and children under the age of five are food insecure population due to: *
- 1 point

Mark only one oval.

- ☐ Fats
- ☐ Healthy diet
- ☐ Malnutrition
- ☐ None of the above

12. 4. Which of the following is not considered as a social indicator of poverty? *
- 1 point

Mark only one oval.

- ☐ Illiteracy level
- ☐ Lack of access to health care
- ☐ Less number of means of transport
- ☐ Lack of job opportunities.

13. 5. What is not a one of the major cause of income inequality in India? * 1 point

Mark only one oval.

- ☐ Unequal distribution of land
- ☐ Lack of fertile land
- ☐ Gap between rich and poor
- ☐ Increase in population.

QUESTION
3

Directions: In the following questions, a statement of assertion is followed by a statement of reason.

Mark the correct choice as:

- (a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.
- (b) If both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
- (c) If Assertion is true but Reason is false.
- (d) If both Assertion and Reason are false.

14. 1. Assertion: There is a sharp decline in dissolved oxygen downstream from the point of sewage discharge. Reason: Microorganisms involved in biodegradation of organic matter in the receiving water body consume a lot of oxygen. * 1 point

Mark only one oval.

- ☐ both Assertion and Reason are true and Reason is the correct explanation of Assertion.
- ☐ both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
- ☐ assertion is true but reason is false.
- ☐ both Assertion and Reason are false.

15. 2. Assertion: A network of food chains existing together in an ecosystem is known as food web. Reason: An animal like kite cannot be a part of the food web. *

1 point

Mark only one oval.

- ☐ both Assertion and Reason are true and Reason is the correct explanation of Assertion.
- ☐ both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
- ☐ assertion is true but reason is false.
- ☐ both Assertion and Reason are false.

16. 3. Assertion: People are poor because they are illiterate or semi-educated. Reason: Illiterate or semi-educated people can get only low-paying employment opportunities *

1 point

Mark only one oval.

- ☐ both Assertion and Reason are true and Reason is the correct explanation of Assertion.
- ☐ both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
- ☐ assertion is true but reason is false.
- ☐ both Assertion and Reason are false.

17. 4. Assertion: Cultural eutrophication is nutrient enrichment of water bodies due to human activities like passage of sewage, industrial effluents etc. Reason: The prime contaminants from sewage and industrial effluents are nitrates and phosphates, which act as plant nutrients and overstimulate the growth of algae. *

1 point

Mark only one oval.

- ☐ both Assertion and Reason are true and Reason is the correct explanation of Assertion.
- ☐ both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
- ☐ assertion is true but reason is false.
- ☐ both Assertion and Reason are false.

18. 5. Assertion : Tropical rain forests are disappearing fast from developing countries such as India. Reason : No value is attached to these forests because these are poor in biodiversity. *

1 point

Mark only one oval.

- ☐ both Assertion and Reason are true and Reason is the correct explanation of Assertion.
- ☐ both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
- ☐ assertion is true but reason is false.
- ☐ both Assertion and Reason are false.

QUESTION

4

The Central Pollution Control Board (CPCB) in 2018 identified 351 polluted river stretches in India. The assessment of water quality for identification of polluted river stretches found that 31 states and Union territories (UT) had rivers and streams that did not meet the water quality criteria.

WATER POLLUTION



19. 1. Which of the following are the primary causes of water pollution? * 1 point

Mark only one oval.

- ☐ Plants
- ☐ Animals
- ☐ Human activities
- ☐ None of these

20. 2. Which of the following is not a waterborne disease? * 1 point

Mark only one oval.

- ☐ Typhoid
- ☐ Cholera
- ☐ Diarrhoea
- ☐ Diptheria

21. 3. Which sewage contains biodegradable waste such as organic matter? * 1 point

Mark only one oval.

- ☐ Medical Waste
- ☐ Plastic Waste
- ☐ Domestic waste
- ☐ Electronic waste

22. 4. Which one of the following can cause thermal pollution? * 1 point

Mark only one oval.

- ☐ Residential houses
- ☐ Power Plants
- ☐ Death of marine organisms
- ☐ Oil spill

23. 5. What is called for the collection of rainwater for use? * 1 point

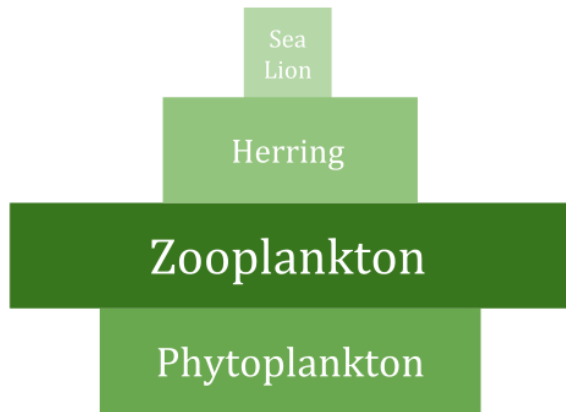
Mark only one oval.

- ☐ Rain collection
- ☐ Rainwater harvesting
- ☐ Rain digging
- ☐ Rain water pumping

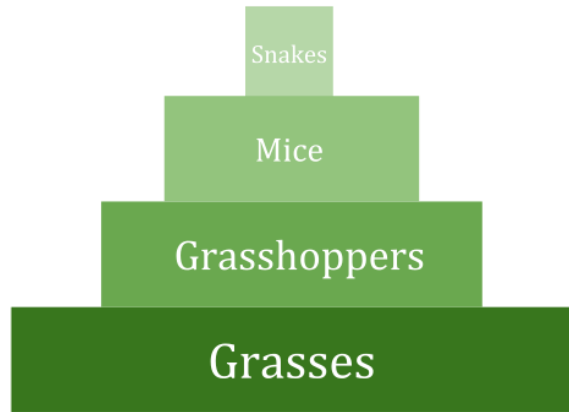
QUESTION 5

Study the picture given below and answer the questions that follow:

ECOLOGICAL PYRAMIDS



Aquatic
Ecosystem



Terrestrial
Ecosystem

24. 1. Which of the following ecological pyramid is always upright? *

1 point

Mark only one oval.

- ☐ Pyramid of energy
- ☐ Pyramid of number
- ☐ Pyramid of Biomass
- ☐ Food pyramid

25. 2. Why do all food chains start with plants? *

1 point

Mark only one oval.

- ☐ Because plants are easily grown
- ☐ Because plants are nutritious
- ☐ Because plants can produce its own energy
- ☐ Because plants do not require energy

26. 3. Which of the following food chain correctly describes the flow of energy in an ecosystem? * 1 point

Mark only one oval.

- ☐ Grass->lion->human
- ☐ Cow->grass->lion
- ☐ Leaf->bird->lizard
- ☐ Grass-->goat--> human

27. 4. In a food chain the second trophic level is occupied by: * 1 point

Mark only one oval.

- ☐ Carnivores
- ☐ Autotrophs
- ☐ Herbivores
- ☐ Producers

28. 5. If 100 J energy is available at the producer level in a food chain then the energy available to the secondary consumer will be: * 1 point

Mark only one oval.

- ☐ 10J
- ☐ 1J
- ☐ 0.1J
- ☐ 0.01J

QUESTION
6

Healthy environments support healthy wildlife. Twenty-first century threats to our environment—including invasive species, diseases, pollution, and a warming climate—are putting wildlife populations at risk. The National Wildlife Federation unites Americans addressing these environmental threats and protecting our wildlife and their habitats.

PROTECTING ENVIRONMENT FROM VARIOUS THREATS



29. 1. Which is not responsible for extinction of many species of animals? * 1 point

Mark only one oval.

- ☐ Deforestation
- ☐ Poaching
- ☐ Afforestation
- ☐ Exotic Species

30. 2. Which of the following habitat have most biodiversity? * 1 point

Mark only one oval.

- ☐ Antarctica
- ☐ Amazon Rain forest
- ☐ Sahara Desert
- ☐ North Pole

31. 3. The objective of environmental education is *

1 point

Mark only one oval.

- ☐ Raise consciousness about environmental education
- ☐ To teach environmentally appropriate behaviour
- ☐ Create an environmental ethic that fosters awareness about ecological inter-dependence of economics, social and political
- ☐ All of the above

32. 4. Ocean acidification describes the decrease in ocean pH that is caused by ----- emissions into the atmosphere. *

1 point

Mark only one oval.

- ☐ anthropogenic carbon dioxide (CO₂)
- ☐ methane
- ☐ nitrous oxide
- ☐ ozone

33. 5. Overgrazing results in: *

1 point

Mark only one oval.

- ☐ Soil erosion
- ☐ Retention of useful species
- ☐ Productive soils
- ☐ All of the above

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