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**ENVIRONMENTAL STUDIES (ENVS)**  
**2013 (May)**  
*(MEMORY BASED QUESTION PAPER)*

**Note:** There are fifty multiple choice questions and each question carries 2 (two) marks

1. Earthquake is measured in

- Equilibrium of earthquake
- Richter scale
- The pH scale
- electronic balance

2. Animals which live on consuming decaying organic matter are called

- Carnivores
- Detrivores
- Herbivores
- Omnivores

3. Bhopal Gas Tragedy happened in the year

- 1983
- 1984
- 1985
- 1994

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4. Which of the following actions is considered most important to make the environment intact and healthy?

- Establishment of Pollution Control Board
- Formation of non-government organization to control pollution
- Making people aware of the importance of conservation of environment through environmental education
- Enforcement of strict environment control laws

5. Which of the following is an international organization related to the conservation of natural resources?

- INGO
- IUCN
- INCU
- ICUN

6. A positive growth ratio indicates that the population is

- Stable
- Increasing
- Decreasing
- Overcrowding

7. Biological Oxygen Demand (BOD) is the least in which of the following?

- Seawater
- Sewage
- Potable water/ Pure water
- Polluted water

8. Environmental health is a diverse sciences and its primary objective is

- To prevent diseases and create health supportive environment
- To eradicate human diseases
- To create a disease-free environment
- To create the environment clean

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**9.** Which of the following is responsible for Acquired Immunodeficiency Syndrome (AIDS)?

- AIDS
- MIV
- HIV
- VIS

**10.** Which of the following is not a natural disaster?

- Nuclear accident
- Flood
- Earthquake
- Tsunami

**11.** In exploration of minerals, two main methods are used; open mining and underground mining. In relation to these methods, which of the following statement is true?

- Impact of underground mining on environment is less than open mining.
- Impact of underground mining on environment is more than open mining.
- Impact of open mining on environment is less than the underground mining.
- Underground mining has no impact on environment at all.

**12.** UCIL is related to which mineral exploration?

- Coal
- Carbon
- Crude oil
- Uranium

**13.** Which of the following is not a part of the physical environment?

- Lithosphere
- Atmosphere
- Biosphere
- Hydrosphere

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**14.** One-horned rhino is included under which of the following species?

- Rare
- Endangered
- Endemic
- Vulnerable

**15.** Diversity in habitat is known as

- Biodiversity
- Ecodiversity
- Mega biodiversity
- Alpha diversity

**16.** By which of the following processes influence of solid wastes of environment cannot be reduced?

- Terracing
- Recycling
- Reducing
- Reusing

**17.** For conservation of what 'Chipko Movement' was started?

- Natural resources
- Wildlife
- Forests
- Water

**18.** First trophic level in a food chain is

- Green plants
- Carnivorous
- Herbivorous
- Bacteria

**19.** Due to deforestation, which of the following generally decreases?

- Soil erosion
- Global warming
- Drought
- Rainfall

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**20.** Complex network formed by linking one food chain to other is called

- Food chain
- Food-web
- Food link
- Pyramid

**21.** The heating of earth's atmosphere due to trapped radiation is called

- Global warming
- Glasshouse effect
- Greenhouse effect
- Thermal effect

**22.** Biogas is included under which type of natural resources?

- Inexhaustible
- Non-conventional
- Renewable
- Both Renewal and Non-Conventional

**23.** Which of the following is not fossil fuel?

- Coal
- Lignite
- Diesel
- Fuelwood

**24.** Shifting or Jhum cultivation leads to

- Soil erosion
- Rock formation
- Soil conservation
- Soil reclamation

**25.** Which one of the following is lotic ecosystem?

- Mountain
- Desert
- Rivers
- Lake

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- 26.** Upright pyramid is a characteristic feature of
- Pyramid of number
  - Pyramid of energy
  - Pyramid of biomass
  - Pyramid of volume
- 27.** Quinine is produced from which of the following plants?
- Neem
  - Tulsi
  - Mint
  - Chinchona
- 28.** Which of the following is the most stable ecosystem?
- Forest
  - Grassland
  - Desert
  - Ocean
- 29.** Forest and wildlife are
- Non-renewable resources
  - Exhaustible resources
  - Renewable resources
  - Continuous resources
- 30.** Microorganisms which breakdown the complex organic matter into simple compound are called
- Decomposers
  - Consumers
  - Producers
  - Predators
- 31.** Which of the following gas is responsible for global warming in atmosphere?
- Methane
  - Chlorofluorocarbon (CFC)
  - Nitrogen oxide
  - Carbon dioxide

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- 32.** Which of the following is related to rainwater harvesting?
- A technology used for collecting and storing rainwater from rooftops, the land surface or rock catchments using simple techniques
  - A technology used for rainwater collection for agriculture
  - A technology used for draining out rainwater
  - A technology used for purification of rainwater
- 33.** Chief source of energy in environment is
- Fire
  - Sun
  - Stars
  - Moon
- 34.** Kajiranga is a
- National Park
  - National Sanctuary
  - Biosphere Reserve
  - Reserved Forest
- 35.** The Motor Vehicles Act was passed in the year
- 1981
  - 1986
  - 1988
  - 1990
- 36.** Any species living only in a particular area is known as
- Endemic
  - Exotic
  - Native/indigenous
  - Local
- 37.** Important greenhouse gas obtained from agricultural fields is
- Nitrous oxide
  - Sulphur dioxide
  - Sulphur trioxide
  - None of the above

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**38.** The transfer of energy and food materials through a series of organisms is called

- Biome
- Food chain
- Food web
- Succession

**39.** In which year the Forest Conservation Act was implemented in India?

- 1979
- 1980
- 1985
- 1990

**40.** The plant succession, which starts in the salty soil or saline water is called

- Halosere
- Xerosere
- Hydrosere
- Secondary succession

**41.** Who first coined the term 'ecosystem'?

- A. G. Tansley
- Ernest Heckel
- Aristotle
- Hooker

**42.** 'Earth Day' is observed every year on

- March 22
- April 22
- October 22
- November 22

**43.** Solid components of environment are collectively known as

- Hydrosphere
- Mesosphere
- Lithosphere
- Biosphere



**44.** In many communities, one or few species appear to be very important in maintaining the community structure. These are called

- Keystone species
- Endangered species
- Rare species
- Vulnerable species

**45.** Which of the following is the example of **in situ** conservation?

- Biosphere Reserve
- Zoo
- Botanical Garden
- Orchidarium

**46.** Due to atmospheric concentration of which of the following, acid rain is caused?

- SO<sub>2</sub> and NO<sub>2</sub>
- SO<sub>3</sub> and CO
- CO<sub>2</sub> and CO
- CO<sub>2</sub> and CH<sub>4</sub>

**47.** Pollution due to combination of smoke, fog and chemical pollutants is termed as

- Aerosol
- PAN
- Smog
- CFC

**48.** Noise pollution affects

- Health
- Behaviour
- Both health and behaviour
- Memory

**49.** Percentage of carbon dioxide present in atmosphere is

- 0.3
- 0.03
- 0.003
- 3

**50.** If all the plants of the earth die suddenly, due to deficiency of which of the following all the animals will also die?

- Carbon dioxide
- Oxygen
- Food
- Nitrogen

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