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**ENVIRONMENTAL STUDIES (ENVS)**  
**2016 (May)**  
*(MEMORY BASED QUESTION PAPER)*

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

**1.** Which of the following is lotic ecosystem?

- Desert
- Lake
- Mountain
- River

**2.** The flow of energy in an ecosystem is

- Unidirectional
- Cyclic
- Multidirectional
- None of the above

**3.** Which of the following are solid wastes?

- Pesticides, fungicides, herbicides
- DDT, fossil fuel, cement
- Polymer, plastic, plasticizer
- Petroleum, coal, rock

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**4.** Earthquake is measured in

- Earthquake balance
- Richter scale
- pH meter
- electronic balance

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

- Food chain
- Food web
- Food cycle
- Biome

**6.** Kyoto Protocol was aiming at reduction of emission of

- Greenhouse gases (GHG)
- Sulphur dioxide
- Hydrogen
- Oxygen

**7.** Noise pollution affects

- Behaviour
- Health
- Both health and behaviour
- None of the above

**8.** Waterlogging may jeopardise

- Fish production
- Food grain production
- Meat production
- Milk production

**9.** The Wildlife Protection Act was enacted in the year

- 1970
- 1972
- 1975
- 1980

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- 10.** The Earth Summit held in 1992 at Rio de Janeiro, Brazil resulted into
- International Union for Conservation of Nature and Natural Resources (IUCN)
  - Food and Agriculture Organization (FAO)
  - Convention on Biological Diversity (CBD)
  - World Wide Fund for Nature (WWF)
- 11.** The World Biological Diversity Day is celebrated on
- December 25
  - October 22
  - June 5
  - May 22
- 12.** The term 'ecosystem' was coined by
- Aristotle
  - Hooker
  - Ernest Meckel
  - A. G. Tansley
- 13.** The concept of biodiversity hotspots was originated by
- Dr. Norman Myers
  - Dr. R. A. Mittermeier
  - Dr. T. V. Burkey
  - Dr. J. T. Keer
- 14.** Kaziranga is a
- Biosphere Reserve
  - National Park
  - Reserved Forest
  - Sanctuary
- 15.** Choose the correct one:
- There are 25 terrestrial and 10 marine hotspots in the world
  - There are 34 terrestrial and 11 marine hotspots in the world
  - There are 20 terrestrial and 10 marine hotspots in the world
  - There are 24 terrestrial and 11 marine hotspots in the world

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- 16.** Thermal pollution results due to
- Dust release from cement factory
  - Open-cast mining
  - Crude oil spill
  - Discharge of hot water from thermal and nuclear power plants
- 17.** Which of the following conflicts has been increasing in Assam?
- Human and elephant
  - Human and rhino
  - Human and snake
  - Human and tiger
- 18.** New Delhi is now suffering from
- Water pollution
  - Noise pollution
  - Soil pollution
  - Air Pollution
- 19.** The 2015 theme for World Environment Day was
- “Your Planet Needs You—Unite to Combat Climate Change”
  - “Many Species. One Planet. One Future”
  - “Seven Billion Dreams; One Planet; Consume with Care”
  - “Small Islands and Climate Change”
- 20.** Which one of the following is ‘point source’ pollution?
- Sewage treatment plant
  - Agriculture fields
  - Forest fields
  - Urban runoff
- 21.** Which of the following is an upright pyramid?
- Pyramid of number
  - Pyramid of volume
  - Pyramid of biomass
  - Pyramid of energy

**22.** Which of the following greenhouse gases is colourless, non-flammable and non-odourable?

- Nitrous oxide
- Sulphur dioxide
- Ethane
- Methane

**23.** Ramsar Site is related to

- Wetland conservation
- River conservation
- Mountain conservation
- Forest conservation

**24.** Bhopal Gas Tragedy was caused due to the leakage of

- Methyl isocyanide
- Methyl cyanide
- Sulphur dioxide
- Methane

**25.** Which one of the following is a natural disaster?

- Flood
- Road accident
- Nuclear accident
- Crude oil spill

**26.** Tsunami is a/an

- Japanese word
- Chinese word
- Malayasian word
- Indian word

**27.** Biosphere Reserve is declared by

- WWF
- MAB
- CITES
- IUCN

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- 28.** Brundtland Commission coined the term
- Sustainable Development
  - Pollutant
  - Conservation
  - Natural Capital
- 29.** Which one of the following is an endangered animal?
- Elephant
  - Monkey
  - Wild buffalo
  - River dolphin
- 30.** The National Environment Tribunal was launched in
- 1999
  - 1998
  - 1996
  - 1995
- 31.** Which one of the following is related to rainwater harvesting?
- A technology used for draining out rainwater
  - A technology used for collecting and storing rainwater from rooftops, the land surface and rock catchments using simple techniques
  - A technology used for rainwater collection for agriculture
  - A technology used for purification of rainwater
- 32.** The country, which is the highest contributor of greenhouse gases, is
- India
  - China
  - USA
  - Nepal
- 33.** Oxides of sulphur, nitrogen and aerosols are responsible for
- Acid rain
  - Noise pollution
  - Global warming
  - Photochemical smog

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- 34.** Which of the following natural calamities is prominent in Assam?
- Flood and erosion
  - Volcano
  - Tsunami
  - Forest fire
- 35.** Reduction in the brightness of famous Taj Mahal is due to the
- Ozone layer depletion
  - Global warming
  - Deforestation
  - Acid rain
- 36.** Shifting or 'Jhum' cultivation leads to
- Soil conservation
  - Soil reclamation
  - Rock formation
  - Soil erosion
- 37.** A positive growth ratio indicates that the population is
- Decreasing of population
  - Increasing of population
  - Overcrowding of population
  - Stable population
- 38.** Which of the following is used for calculating the rate of population growth?
- Death rate (d) – birth rate (b) = rate of natural increase (r)
  - Death rate (d) + birth rate (b) = rate of natural increase (r)
  - Birth rate (b) + death rate (d) = rate of natural increase (r)
  - Birth rate (b) – death rate (d) = rate of natural increase (r)
- 39.** Which of the following organizations is related to environmental health?
- WHO
  - UNICEF
  - MAB
  - UNO

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**40.** EIA means

- Environmental Impact Assessment
- Energy Impact Assessment
- Ecological Impact Assessment
- Ethical Impact Assessment

**41.** The environment consists of

- Air, plants, animal and soil
- Air, water, soil and mineral
- Geology, Chemistry, Botany and Zoology
- Atmosphere, hydrosphere, lithosphere and biosphere

**42.** MOEF is meant for

- Movement of Environment of Forest
- Ministry of Environment and Forest
- Ministry of Energy and Fuel
- Ministry of Ecology and Forest

**43.** Which of the following is responsible for ozone layer depletion?

- $\text{CO}_2$
- PAN
- Aerosol
- CFCs

**44.** Which of the following is in situ conservation?

- Zoo
- Aquarium
- Botanical garden
- National park

**45.** To keep ecosystem balance, how much percentage of forest cover is necessary?

- 17%
- 23%
- 33%
- 49%

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**46.** AIDS is caused by

- Bacteria
- Algae
- Fungus
- Virus

**47.** Green Revolution is related to

- Forest
- Industry
- Wildlife
- Agriculture

**48.** In an ecosystem, human being is known as

- Omnivore
- Consumer
- Producer
- Decomposer

**49.** Which of the following is a non-renewable resource?

- Forest
- Petroleum
- Biodiversity
- Sand

**50.** China's Great Green Wall Project is a step

- To check dam construction
- To check desertification and rehabilitating degraded lands
- To check climate change
- To check ozone depletion