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**ENVIRONMENTAL STUDIES (ENVS)**  
**2017 (May)**  
*(MEMORY BASED QUESTION PAPER)*

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

1. The word 'environment' is derived from the French word

- Environmen
- Environmer
- Envis
- None of the above

2. MAB stands for

- Mammals and Biosphere
- Mammals and Biology Programme
- Man and Biosphere Programme
- Man and Biology Programme

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3. Which one of the following is the correct food chain?

- Grass → Chameleon → Insect → Bird
- Grass → Fox → Rabbit → Bird
- Fallen Leaves → Bacteria → Insect larvae
- Phytoplankton → Zooplankton → Fish

4. The sum total of physical surrounding in and around of a living organism is known as

- Ecotone
- Environment
- Ecology
- Ecosystem

5. 71% of the earth surface is covered with

- Coal
- Land
- Air
- Water

6. Which one of the following is an endangered animal?

- Elephant
- Monkey
- Rhino
- Wild buffalo

7. Which of the following organizations advises that farming approach needs to change rapidly to centre on biodiversity, so that we can feed the world effectively and deal with climate change?

- IUCN
- CITES
- UNESCO
- FAO

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**8.** How many terrestrial biodiversity hot spots have been recognized?

- 50
- 20
- 34
- 15

**9.** Which of the following natural calamities is prominent in Assam?

- Tsunami
- Forest fire
- Volcanic eruption
- Flood and erosion

**10.** Which of the following is the most stable ecosystem?

- Mountain
- Ocean
- Desert
- Forest

**11.** The National Environment Tribunal Act was launched in

- 1995
- 1996
- 1997
- 1999

**12.** The Water (Prevention and Control of Pollution) Cess Act was enacted in India in

- 1975
- 1977
- 1980
- 1985

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**13.** Biotic component of an ecosystem is/ are

- Consumer and decomposer
- Producer, consumer and decomposer
- Producer and consumer
- None of the above

**14.** When trees are cut, amount of oxygen

- Increases
- Decreases
- Both of the above
- Remains the same

**15.** Earth Summit was related to

- Global warming
- Acid rain
- Sustainable development
- Ozone depletion

**16.** Which of the following is a Ramsar Site?

- Kaziranga
- Deepor Beel
- Manas
- Nameri

**17.** India has two biodiversity hot spots, namely

- Eastern Himalayas and Western Ghat
- Western Himalayas and Western Ghat
- Gangetic Plain and Western Ghat
- Andaman-Nicobar and N-E Region

**18.** Carbon monoxide, lead, nitrogen dioxide, ozone, particles and sulphur are responsible for

- Water pollution
- Air pollution
- Soil pollution
- Noise pollution

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**19.** The Green Revolution in India was a period when agriculture in India increased its yields due to

- Improved agronomic technology
- Improved production of seed crops
- Use of green manure
- Use of good seeds

**20.** Which of the following is an endemic species?

- Lotus plant
- Sunflower plant
- Rose plant
- Pitcher plant

**21.** Which of the following is ex-situ conservation?

- National Park
- Biosphere Reserve
- Sanctuary
- Zoo

**22.** The word 'succession' was first used by French Naturalist

- Adolphe Dureau de la Malle
- Aristotle
- Hooker
- Ernst Haeckel

**23.** The formation of ozone hole is maximum over

- India
- Antarctica
- Brazil
- Japan

**24.** 'Brundtland Commission' coined the term

- Conservation
- Sustainable development
- Pollutant
- Greenhouse effect

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**25.** The study of the distribution of species (biology), organisms and ecosystems in geographic space and through geological time is known as

- Ecology
- Geology
- Biology
- Biogeography

**26.** Which one of the following minerals is used in photography?

- Copper
- Sulphur
- Silver
- Silicon

**27.** The term biodiversity was first coined by

- A. G. Tansley in 1932
- R. Mishra in 1935
- E. O. Wilson in 1986
- E. Haeckel in 1888

**28.** Wetlands are areas of land subject to flooding and dominated by

- Mesophyte
- Xerophyte
- Halophyte
- Hydrophyte

**29.** Which one of the following is the cleanest source of energy?

- Nuclear power
- Thermal power
- Wind energy
- Fossil fuel

**30.** Acid rain is caused by

- CO and CO<sub>2</sub>
- SO<sub>2</sub> and O<sub>2</sub>
- SO<sub>2</sub> and NO<sub>2</sub>
- NO<sub>2</sub> and O<sub>2</sub>

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**31.** The global warming efficiency of a CFC molecule in relation to a CO<sub>2</sub> molecule is higher by a factor of

- 12
- 25
- 125
- 1500

**32.** World Environment Day is celebrated on

- 10<sup>th</sup> January
- 5<sup>th</sup> June
- 2<sup>nd</sup> October
- 31<sup>st</sup> December

**33.** The cause of lung cancer 'mesothelioma' is

- Arsenic
- Asbestos
- Chromium
- Mercury

**34.** Select the greenhouse gases.

- Water vapour, carbon dioxide, methane, nitrous oxide, ozone
- Sulphur dioxide, carbon monoxide
- Neon, argon, helium
- Oxygen, hydrogen

**35.** Jhum Cultivation is responsible for

- Flood
- Rain
- Soil erosion
- Earthquake

**36.** Smog is a combination of the words

- Smoke and fog
- Smoke and snow
- Snow and fog
- All of the above

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**37.** A common cause of thermal pollution is the use of

- Coal as source of energy by industry
- Water as a coolant by power plants and industrial manufacturers
- Acid by the fertilizer industry
- Radioactive substance by nuclear power plant

**38.** CFC is responsible for

- Global warming
- Biological magnification
- Tsunami
- Ozone hole

**39.** HIV is related to

- AIDS
- Dysentery
- Malaria
- Cancer

**40.** The most harmful environmental pollution from nuclear reactor is

- Noise pollution
- Radioactivity
- Soil pollution
- Thermal pollution

**41.** In which of the following years, Government of India launched the Biodiversity Act?

- 2000
- 2001
- 2002
- 2003

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**42.** Which of the following is National as well as State aquatic animal of Assam?

- Sihu (River Dolphin)
- Turtle
- Rohu fish
- Gharial

**43.** Top roof harvesting method is related with

- Solar energy harvesting
- Underground water harvesting
- Rainwater harvesting
- Wind energy harvesting

**44.** A positive growth rate indicates that the population is

- Decreasing
- Increasing
- Overcrowding
- Stable

**45.** Ozone is found in

- Exosphere
- Ionosphere
- Mesosphere
- Stratosphere

**46.** The animal that consumes both plants and animals is known as

- Consumer
- Decomposer
- Omnivore
- Producer

**47.** The energy flow in an ecosystem is

- Always cyclic
- Always multidirectional
- Always unidirectional
- Always bidirectional

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**48.** Which one of the following is related with health and hygiene?

- Cinema hall
- Scientific sanitation
- Vaccination
- Swimming pool

**49.** Which one of the following does not contribute to conservation of water?

- Rainwater harvesting
- Wastewater treatment
- Wasteland development
- Watershed protection

**50.** In our country, Van Mahotsav Day is observed on

- 1<sup>st</sup> July
- 10<sup>th</sup> August
- 2<sup>nd</sup> October
- 1<sup>st</sup> December