

**MA / M.Sc. GEOGRAPHY**  
**FIRST SEMESTER**  
**INTRODUCTION TO ENVIRONMENT & ECOLOGY**  
**MGE – 104 [REPEAT]**  
[USE OMR SHEET FOR OBJECTIVE PART]

**SET**  
**A**

Duration : 3 hrs.

Full Marks : 70

[ Objective ]

Time: 30 min.

Marks: 20

*Choose the correct answer from the following:*

*1×20=20*

1. Which of the following Environmentalists first gave the concept of Biodiversity 'hotspots'?
  - a. Gaylord Nelson
  - b. Norman Myers
  - c. John Muir
  - d. Julia "Butterfly" Hill
2. The 'thickness' of Stratospheric Ozone layer is measured in/on:
  - a. Sieverts
  - b. Dobson units
  - c. Melson units
  - d. Beaufort Scale
3. The Western Ghats Ecology Expert Panel (WGEEP) is headed by:
  - a. R.K.Pachauri
  - b. Vandana Shiva
  - c. Madhav Gadgil
  - d. Pradip Krishen
4. Earth Hour is organized by \_\_\_?
  - a. UNESCO
  - b. Earth Hour Foundation
  - c. World Wildlife Fund
  - d. United Nations Environment Programme
5. The First Chairperson of the National Green Tribunal (NGT) was?
  - a. JUSTICE A.S. Naidu
  - b. Justice Lokeshwar Singh Panta
  - c. Justice Markandey Ka
  - d. Justice A K Ganguly
6. Acid Rain contains
  - a. Sulphuric acid
  - b. Nitric acid
  - c. Both A and B
  - d. hydrochloric acid, sulphuric acid and nitric acid
7. Pollutants that are introduced into the environment by human activity are called as
  - a. Qualitative pollutants
  - b. Quantitative Pollutants
  - c. Anthropogenic pollutants
  - d. all of these
8. Fine organic or inorganic particles suspended in air is called?
  - a. Particulate pollutant
  - b. Gaseous pollutant
  - c. Aerosol
  - d. none of the above
9. The species with thin population localized within restricted area is said to be
  - a. Rare
  - b. Threatened
  - c. Endangered
  - d. Vulnerable

10. Headquarters of Biodiversity International is located at?
  - a. Rome
  - b. Geneva
  - c. Paris
  - d. Manila
11. Which of the following not a factor in soil formation?
  - a. Relief
  - b. Climate
  - c. Natural Vegetation
  - d. Deforestation
12. Decomposers help in
  - a. breaking dead waste
  - b. recycle nutrients
  - c. both a and b
  - d. spreading decay
13. There would be no life in the oceans without organisms called \_\_\_\_\_ and \_\_\_\_\_.
  - a. decomposers, phytoplankton
  - b. zooplankton, consumers
  - c. phytoplankton, zooplankton
  - d. zooplankton, scavengers
14. One model that shows how energy passes from organism to organism is called
  - a. an energy link
  - b. a food chain
  - c. a phytoplankton cycle
  - d. photosynthesis
15. Producers make food using \_\_\_\_\_ to trap the Sun's energy in a process called photosynthesis
  - a. food chains
  - b. chlorophyll
  - c. cellular respiration
  - d. microscopic organisms
16. How many parts are there in the forest ecosystem?
  - a. One
  - b. Two
  - c. Three
  - d. Four
17. IUCN (The International Union for Conservation of Nature and Natural Resources) headquarters is at
  - a. Morges-Switzerland
  - b. Paris-France
  - c. Vienna-Austria
  - d. New York-USA
18. IPCC stands for:
  - a. International governmental Panel for Climate Change
  - b. Inter-governmental Panel for Climate Change
  - c. Indian governmental Panel for Climate Change
  - d. None of the above
19. UNFCCC stands for:
  - a. United Nations Framework Convention on Climate Change
  - b. United Nations Framework Convention on Climatic Condition
  - c. United Nations Foundation Conservation on Change Climate
  - d. United Nations Framework Conservation on Climate Change
20. Which one of the following is a site for ex situ method of biodiversity conservation?
  - a. Biosphere reserve
  - b. Botanical garden
  - c. National park
  - d. Wildlife sanctuary

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**( Descriptive )**

Time : 2 hrs. 30 mins.

Marks : 50

*[ Answer question no.1 & any four (4) from the rest ]*

1. How population, resources and environment are dependent? Describe the relationships of these three with suitable example. 5+5=10
2. Describe the soil forming processes and factors. 5+5=10
3. What is an ecosystem? What are the types of Forest ecosystem? Give a brief description of all the forest ecosystem with suitable examples. 2+4+4  
=10
4. Define desertification. How it became a global issue now a days? What are the management strategies taken to tackle desertification? 2+3+5  
=10
5. What is Biodiversity? Why biodiversity regions are considered under threat? Explain the conservational strategies of Biodiversity? 2+3+5  
=10
6. What do you mean by environmental problems? Describe the remedial measures of environmental problems. 4+6=10
7. Define Biogeography. Explain its meaning and scope in details. 2+8=10
8. What do you mean by the term 'Biome'? Give a brief description of all the Biogeographical regions of the world. 2+8=10

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