

RAMAKRISHNA MISSION VIDYAMANDIRA

(Residential Autonomous College affiliated to University of Calcutta)

B.A./B.Sc. SECOND SEMESTER EXAMINATION, JUNE 2022

FIRST YEAR [BATCH 2021-24]

ENVIRONMENTAL STUDIES (ENVS)

Paper : I & II

Date : 18/06/2022

Time : 1 pm – 3 pm

Full Marks : 50

1. Answer the following questions: [10×1]
- i) The term '*RAMSER*' is related to:
- a) Dryland ecosystem.
 - b) Grassland ecosystem.
 - c) Wetland ecosystem
 - d) Desert ecosystem.
- ii) IUCN stands for
- a) International Unity on Community and Nationality.
 - b) International Union for the Conservation of Nature and Natural Resources.
 - c) Inter- State Unity of Culture Nature.
 - d) Indian Union on Congress Nation.
- iii) Endangered species are those which :
- a) are not commonly found in a country.
 - b) have very low population numbers.
 - c) occur in polluted environment
 - d) are over exploited but have large population size.
- iv) Nuclear power is produced from :
- a) Hydrocarbon.
 - b) Nuclear fission.
 - c) The sun.
 - d) Both (b) and (c).
- v) Wildlife is conserved
- a) In- situ
 - b) Ex- situ
 - c) Both (a) and (b)
 - d) None of these
- vi) How many biodiversity hotspots are there in India?
- a) 2
 - b) 3
 - c) 4
 - d) 5

vii) In a food chain, which trophic level would have the greatest amount of available energy?

- a) First
- b) Second
- c) Third
- d) Fourth.

viii) Forest Conservation Act was introduced in the year:

- a) 1980
- b) 1981
- c) 1982
- d) 1984

ix) Wildlife Protection Act was enacted in:

- a) 1962
- b) 1972
- c) 1982
- d) 1992

x) Ramsar site in West Bengal is:

- a) Sunderbans.
- b) Rabindra Sarovar.
- c) East Kolkata Wetland.
- d) Sunderbans & East Kolkata Wetland.

2. Answer **any ten** questions:

(10×2)

- a) How many bio-geographic zones and how many bio-geographic provinces are there in India?
- b) What do you mean by Biodiversity Hotspot?
- c) What do you mean by productive use value?
- d) What do you mean by food security?
- e) Define Acid Rain.
- f) What is geothermal energy?
- g) What are Endemic Species?
- h) What do you mean by sheet erosion?
- i) What are pollution Indicator Species?
- j) Mention different types of Ecological Pyramids?
- k) What is Radon?
- l) What are Secondary Pollutants?

3. Answer **any four** questions:

(4×5)

- a) What should be the role of an individual to inculcate environmental awareness?
- b) Mention steps are to be taken to control air pollution.
- c) What are the causes of desertification?
- d) State the advantages of solar energy.
- e) Elaborate how global warming can be minimized.
- f) What are the reasons for world food problems?
- g) Distinguish between the Point & Non-Point Sources of Water Pollution.