

# RAMAKRISHNA MISSION VIDYAMANDIRA

(Residential Autonomous College affiliated to University of Calcutta)

B.A./B.Sc. FOURTH SEMESTER EXAMINATION, MAY 2016

SECOND YEAR [BATCH 2014-17]

ENVIRONMENTAL STUDIES

Date : 16/05/2016

Time : 1 pm – 3 pm

Paper : I

Full Marks : 50

Admit No. .... Registration No. .... Marks obtained .....

Examiner Signature ..... Invigilator's Signature .....

## Group – A

Tick the correct alternative from **any ten** of the following questions : –

(1 × 10)

1. Consumptive use value refers to
  - a) Assessing the value of natural resources which are consumed directly without passing through a market.
  - b) Assessing ecosystem function.
  - c) Assessing ecosystem goods.
  - d) Assessing faunal resource.
2. Aesthetic value is a form of
  - a) Extrinsic value
  - b) Intrinsic value
  - c) Transformative value
  - d) None of these
3. Radon is a
  - a) CFC gas
  - b) Naturally occurring, radioactive noble gas.
  - c) Released from factories.
  - d) Colourless, odourless poisonous gas.
4. Genetic diversity is the
  - a) Sum of the total genetic information contained in genes of individuals of a species.
  - b) Sum of the total genes in an individual.
  - c) Sum of the total chromosomes in an individuals.
  - d) Sum of the total chromosomes present in the individuals of a species.
5. WWF stands for
  - a) World Wildlife Fund.
  - b) World Wild life Fund for conservation.
  - c) World Wildlife Fund for Nature.
  - d) World Wildlife Fund for biodiversity.
6. In a pond ecosystem, the pyramid of biomass is
  - a) Inverted.
  - b) Irregular.
  - c) Upright.
  - d) None of these.
7. Due to acid rain. The pH level
  - a) increases.
  - b) decreases.
  - c) remains constant.
  - d) None of these
8. A food chain begins with
  - a) Respiration.
  - b) Nitrogen fixation.
  - c) Stagnation
  - d) None of the above
9. Which of the following is a renewable source of energy ?
  - a) Coal.
  - b) Petroleum
  - c) Biomass
  - d) Kerosene
10. Nuclear power is produced from
  - a) Hydrocarbon.
  - b) Nuclear fission.
  - c) The sun.
  - d) Both (b) and (c)

11. Pathogens are

- a) Self-replicating macro molecules      b) Disease causing microorganisms
- c) Vectors      d) Autoimmune diseases

12. Organic water pollutants include

- a) Detergents      b) Food processing waste
- c) Petroleum hydrocarbons, including fuels and lubricants
- d) All above

**Group – B**

(Answer **any four** questions)

(4 × 5)

1. Define biodiversity. State the classifications of biodiversity.

2. What is niche?

3. What are primary and secondary air pollutants?

4. What do you mean by green revolution?

5. What is in-situ conservation?

6. What is an endemic species?

**Group – C**

(Answer **any two** questions)

(2 × 10)

1. a) State the physical and biological evidences of global warming.

(5)

b) What are the objects of wild life management?

(5)

2. a) What are the effects of deforestation?

(5)

b) State the sources of renewable energy. (5)

3. a) Define Nuclear energy. What are the advantages of nuclear energy? (5)

b) What are the different kinds of soil erosions? (5)

4. Define thermal pollution. What is urban run-off? What is C & D debris? Enumerate the process of landfilling related to solid waste management. (2 + 2 + 2 + 4)