

# RAMAKRISHNA MISSION VIDYAMANDIRA

(Residential Autonomous College affiliated to University of Calcutta)

B.A./B.Sc. FOURTH SEMESTER EXAMINATION, MAY 2017

SECOND YEAR [BATCH 2015-18]

ENVIRONMENTAL STUDIES

Date : 16/05/2017

Time : 1 pm – 3 pm

Paper : I

Full Marks : 50

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

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

## Group – A

(Answer all questions)

[1×10]

Tick ( ✓ ) the correct answer :

1. The main function of biosphere reserves is :

- a) Conservation
- b) Scientific research and education
- c) Development of ecological aspects
- d) All of the above

2. 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

3. 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

4. Ladakh is present in bio-geographical region called

- a) Himalayas
- b) Semi- arid
- c) Trans- Himalayas
- d) North- east

5. Wildlife is conserved

- a) in situ
- b) ex situ
- c) Both (a) and (b)
- d) None of these

6. What deals with the groups of different kinds of population in the area?

- a) Community
- b) Environment
- c) Ecosystem
- d) None of these

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

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

8. Green plants are called \_\_\_\_\_ in ecosystem

- a) Consumer
- b) Producer
- c) Scavengers
- d) Decomposers

9. **Electrostatic precipitators and filters are used in factories to minimize**
- a) Air pollution
  - b) Water pollution
  - c) Noise pollution
  - d) Pesticide pollution
10. **Planting of several rows of coniferous trees along highways checks**
- a) Thermal pollution
  - b) Water pollution
  - c) Noise pollution
  - d) Soil pollution

**Group – B**

(Answer any four questions)

[4×5]

2. **Define mega diverse countries. Why hotspot of biodiversity is important?** [2·5+2·5]
3. **What do you mean by productive use value? What is ground level ozone?** [2·5+2·5]
4. **What is acid rain? Enumerate geothermal energy.** [2·5+2·5]
5. **What is bio fuel? What do you mean by sheet erosion?** [2·5+2·5]

6. Mention the types of ecological pyramid. Define solid wastes with examples.

[2·5+2·5]

**Group – C**

(Answer any two questions)

[2×10]

7. Mention the major importance of biodiversity. What steps are to be taken to control noise pollution?

[5+5]

8. What steps are to be taken to minimize global warming? What are the effects for overexploitation of ground water?

[5+5]

9. Write short notes on : (a) Landfills (b) Secondary treatment.

[5+5]

10. Define point and non-point sources. Illustrate pathogens with examples? What are urban runoffs?

[4+3+3]