

# RAMAKRISHNA MISSION VIDYAMANDIRA

(Residential Autonomous College affiliated to University of Calcutta)

B.A./B.Sc. FOURTH SEMESTER EXAMINATION, MAY 2019

SECOND YEAR [BATCH 2017-20]

ENVIRONMENTAL SCIENCE

Paper : I

Date : 10/05/2019

Time : 1 pm – 3 pm

Full Marks : 50

## [ Section A ]

Tick ( ✓ ) the correct option:

(1x10)

- 1). The lowest layer of the atmosphere is  
a) Ionosphere                      b) Troposphere                      c) Stratosphere                      d) Biosphere
- 2). The World Environment Day is observed on  
a) 5<sup>th</sup> May                      b) 5<sup>th</sup> June                      c) 5<sup>th</sup> July                      d) 5<sup>th</sup> Sept.
- 3). How many biodiversity hotspots are there in India?  
a) 2                      b) 3                      c) 4                      d) 5
- 4). The term 'RAMSER' is related to  
a) Mountain ecosystem      b) Dryland ecosystem                      c) Wetland ecosystem      d) Grassland ecosystem
- 5). Wildlife protection act was introduced in the year  
a) 1962                      b) 1982                      c) 1972                      d) 1992.
- 6). Lotic water means  
a) Lake water                      b) Running water in rivers      c) Ocean water                      d) None of these.
- 7). Biodiversity means  
a) Various types of animals                      b) Various types of plants  
c) Various types of biota                      d) None of these
- 8). The name of the pollutant which was responsible for 'Minamata Disease' is  
a) Lead                      b) Zinc                      c) Cadmium                      d) Mercury.
- 9). Electrostatic precipitators and bag 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) Air pollution                      c) Noise pollution                      d) Soil pollution

**[Section B]**

**Short Answer type questions:**

(2x10)

- 1) Mention the importance of the 'Red Data Book'.
- 2) What do you mean by consumptive use value?
- 3) What are pollution indicator species?
- 4) What are epiphytes?
- 5) Why does acid rain take place?
- 6) What is SIAL?
- 7) Define solid waste with examples.
- 8) What do you mean by food security?
- 9) Define point source of water pollution.

10) Name the types of ecological pyramid.

**[Section C]**

**Answer any four of the following questions in brief.**

**(4x5)**

1) What are the causes of deforestation?

2) Write briefly about 'Eutrophication'.

3) What are landfills & incineration?

- 4) What steps are to be taken for conservation of forest ecosystem?
- 5) What are the evidences of global warming?
- 6) Mention the needs of environmental studies.
- 7) Briefly discuss about different types of water pollutants.

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