

BACHELOR OF SCIENCE (RADIOLOGY & IMAGING TECHNOLOGY)(CBCS-2019 COURSE)  
B.Sc. (R&IM) Sem-II : WINTER- 2022  
SUBJECT : ENVIRONMENT STUDIES

Day : Wednesday

Time : 10:00 AM-01:00 PM

Date : 11/1/2023

W-21621-2022

Max. Marks : 20

**N.B.**

- 1) There are three sections as  
Section – A = Objective Type questions - 20 marks.  
Section – B = Long Answer questions - 20 marks.  
Section – C = Short Answer questions! - 20 marks.
- 2) Section A is given in **SEPARATE** sheet and has to be answered on same sheet.  
This sheet should be completed with the first 20 minutes of starting of the examination. This sheet with Section A only will be collected by Supervisor.
- 3) Section B has four long questions and **ANY TWO** questions have to be answered.
- 4) Section C has six short questions and **ANY FOUR** questions have to be answered.
- 5) You have to make  $\surd$  such kind of mark in the box of the appropriate answers.

Seat No. : \_\_\_\_\_

**SECTION - A**

M.C.Q's

(20)

- 1 Which movement was started to protect the evergreen tropical forest from being flooded because of a hydroelectric project?
  - a)  Chipko movement
  - b)  Bishnoi movement
  - c)  Silent valley movement
  - d)  None of the above
- 2 If \_\_\_\_\_ diversity reduces, it can lead to inbreeding depression.
  - a)  Genetic
  - b)  Ecosystem
  - c)  Species
  - d)  Natural
- 3 Which of the following is not a greenhouse gas present naturally in atmosphere?
  - a)  Carbon dioxide
  - b)  Ozone
  - c)  Nitrogen dioxide
  - d)  Methane
- 4 The best way to dispose plant waste is \_\_\_\_\_.
  - a)  Burning
  - b)  Composting
  - c)  Dumping on land
  - d)  Incineration

PTO

- 5 Montreal Protocol signed in 1987 was signed to
- a)  Reduce GHG emission
  - b)  Protect wildlife
  - c)  Conservation of forest
  - d)  Protection of ozone layer
- 6 Water soluble nitrates and phosphates that cause eutrophication are \_\_\_\_\_
- a)  Inorganic plant nutrients
  - b)  Water soluble inorganic chemicals
  - c)  Oxygen depleting waste
  - d)  Sediments of suspended matter
- 7 \_\_\_\_\_ covers the largest biogeographic zone in India.
- a)  Himalaya
  - b)  Deccan plateau
  - c)  Gangetic plains
  - d)  Semi-arid region
- 8 There are total \_\_\_\_\_ Sustainable Development Goals.
- a)  11
  - b)  17
  - c)  23
  - d)  20
- 9 The value of preserving threatened natural resources, so they will be available for the use in the future is / an \_\_\_\_\_ value of nature.
- a)  Direct
  - b)  Social
  - c)  Option
  - d)  Sustainable
- 10 Which of the following is the cleanest form of energy?
- a)  Hydroelectric
  - b)  Fossil fuel
  - c)  Nuclear power
  - d)  Wind energy

Total marks obtained : \_\_\_\_\_

Signature of Invigilator : \_\_\_\_\_

Signature of Examiner : \_\_\_\_\_

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- 1) There are three sections as  
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Section – B = Long Answer questions - 20 marks.  
Section – C = Short Answer questions - 20 marks.
  - 2) Section B has four long questions and **ANY TWO** questions have to be answered.
  - 3) Section C has six short questions and **ANY FOUR** questions have to be answered.
  - 4) Answer to both the sections should be written in **SAME** answer book.
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**SECTION – B**

Long answer (Attempt **ANY TWO**) (20)

- 1) Why is increasing population growth a concern in India? Link it to different aspects such as education, poverty, urbanization.
- 2) What are the different biodiversity hotspots of India? Why is it important to conserve the biodiversity hotspots?
- 3) What are aquatic ecosystems? Write about the threats and conservation measures for these ecosystems.
- 4) What is sustainable development? Explain in brief the different pillars of sustainable development.

**SECTION – C**

Short answer (Attempt **ANY FOUR**) (20)

- 1) Why is climate change a concern and how it is linked with Green House Gases?
- 2) Mention and explain in short about any five environmental law / acts.
- 3) Why is noise pollution an issue? Mention ways to reduce and control noise pollution.
- 4) Explain in brief the difference between food chain and food web with suitable examples.
- 5) Explain based on your understanding the different ways to reduce and manage the solid waste.
- 6) What are the measure threats to world food resources and why is it of concern?