

2023

BFSC 2nd Semester Examination

Environmental Studies

PAPER — BFSC-210

Full Marks : 50

Time : 2 hours



The figures in the right-hand margin indicate marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Illustrate the answers wherever necessary.

1. Answer any **ten** from the following questions :
2×10=20

(a) State the impact of deforestation in ecosystem.

(b) What do you mean by renewable and non-renewable resources? Give an example of each.

(c) What is cryopreservation?



(2)

- (d) What is the difference between primary and secondary pollutants?
- (e) Write the consequences of mercury pollution.
- (f) Write a measure to control global warming.
- (g) Define Biodiversity hotspot. Give two examples from India.
- (h) Write the causes of acid rain.
- (i) State four major threats to aquatic biodiversity.
- (j) Write the names of two protected areas from West Bengal as provided under the Wildlife Protection Act, 1972.
- (k) Write the impact of overexploitation of natural resources.
- (l) Give names of two anthropogenic components on impact environmental pollution.
- (m) Write two applications of ICT in environmental monitoring.
- (n) Write the objectives of value education.
- (o) Why India is a mega diversity nation?
2. Answer any six from the following questions :
5×6=30
- (a) What are ecosystem cybernetics? Write briefly about the components of lentic ecosystem. 5

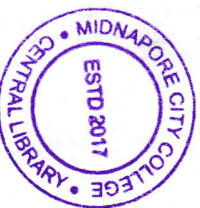
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(3)

- (b) What is Biodiversity? Add a short note on different types of biodiversity. $1\frac{1}{2}+3\frac{1}{2}=5$
- (c) What do you mean by man-wildlife conflict? How to reduce elephant infestation in the western part of West Bengal. $1\frac{1}{2}+3\frac{1}{2}=5$
- (d) What is the IUCN Red List? Write briefly about IUCN red list category. $2+3=5$
- (e) What is Endemic Species? Write some names of endemic species of India. How endemic species are important to our ecosystem? $1\frac{1}{2}+1\frac{1}{2}+2=5$
- (f) Give an account on solid waste management. 5
- (g) Write on *in-situ* and *ex-situ* conservation of aquatic ecosystem. 5
- (h) Write the impact and control of nuclear hazards. 5
- (i) What do you mean by environmental ethics? How to implement these ethics to our society? 5
- (j) Discuss different water conservation methods. $2\frac{1}{2}+2\frac{1}{2}=5$

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B.F.Sc./2nd Sem/BFSC-210/23

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Handwritten notes in blue ink: "No No selection" and "with this" with arrows pointing to the questions.