

2023

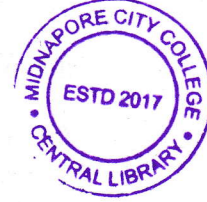
BCA 2nd Semester Examination

Environmental Science

PAPER — AECC-2

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.

Answer from **all** the Groups as directed.

GROUP—A

1. Answer any **five** questions : 2×5=10
- (a) What is the permissible range of noise pollution?
- (b) Cite examples of few endangered species of this country.

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(Turn Over)



(2)

- (c) Name four biodiversity hotspots of India.
- (d) How does groundwater get contaminated?
- (e) Define ecological niche.
- (f) Make a difference between food chain and food web.
- (g) What are the alternate sources of energy?
- (h) Differentiate between *in-situ* and *ex-situ* conservation approaches.

GROUP—B

2. Answer *any four* questions : 5×4=20

- (a) What are various kinds of services offered by ecosystems?
- (b) Elucidate different levels of biological diversity.
- (c) Enlist the primary Sustainable Development Goals (SDGs).
- (d) Write a short note on the forest ecosystem.

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(Continued)



(3)

- (e) Discuss, in brief, the environmental impact of dam construction.
- (f) Briefly discuss the causes of surface water pollution.

GROUP—C

3. Answer *any two* questions : 10×2=20

- (a) "Growing human population has pushed the Earth's system to a tipping point." Critically discuss this statement. 10
- (b) Discuss the possible impact of climate change on agriculture. 10
- (c) Describe in detail the methods of solid waste management. 10
- (d) What are the steps taken by the government for management of disasters like cyclone and floods? How does climate affect land use and land cover of a region? 6+4=10

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