

2022

**B. Sc. (Honours) in AGRICULTURE**

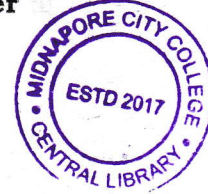
**3rd Semester Examination**

**Environmental Studies and Disaster  
Management**

PAPER — AGS-307

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 hydrological cycle?

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(Turn Over)



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- (b) Write the names of two sanctuaries situated in West Bengal.
- (c) Mention the environmental effects of coal mining.
- (d) Write two measures of groundwater management.
- (e) Define ecological succession.
- (f) Differentiate hazard from disaster.
- (g) What is ozone hole?
- (h) Mention the role of armed forces in disaster response.

**GROUP—B**

2. Answer any four questions : 5×4=20

- (a) Distinguish between renewable and non-renewable resources.
- (b) Discuss the causes of food crisis in developing countries.
- (c) Elucidate the environmental consequences of hydro-electricity project.
- (d) State the causes of soil pollution.
- (e) Assess the impact of sea level rise on coastal ecosystem.
- (f) What is disaster management? Explain.

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(Continued)

**GROUP—C**

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3. Answer any two questions : 10×2=20

- (a) How can we design and shift to more sustainable agriculture systems?
- (b) Explain the factors that are threats to biodiversity.
- (c) "Habitat fragmentation has led to human-elephant conflict in western West Bengal." Explain.
- (d) Give an account on principles of watershed management with reference to drought-prone areas.

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