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PG CBCS
MA/M.Sc. Semester-II Examination, 2022
DEPARTMENT OF GEOGRAPHY
PAPER: GEO 201

(ENVIRONMENTAL APPROACHES AND APPLICATION)

Full Marks: 40

Time: 2 Hours

Write the answer for each unit in separate sheet

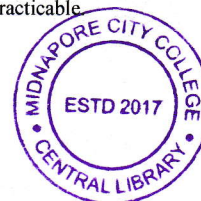
The figures in the right-hand margin indicate full marks.
 Candidates are required to give their answers in their own words as far as practicable.

UNIT: 201.1

ENVIRONMENTAL ETHICS AND REGULATION

Marks: 20

GROUP-A



1. Answer any one question:

1×8=8

- a) Critically evaluate the Gaia hypotheses in the present context.
- b) Illustrate the procedure of conducting EIA with reference to any developmental projects.

GROUP-B

2. Answer any two questions:

2×4=8

- a) What are the objectives of environmental education?
- b) Distinguish ecocentrism from anthropocentrism.
- c) Elucidate the principles of environmental stewardship.
- d) Highlight the recommendations of the sixth assessment report of IPCC to combat climate change.

GROUP-C

3. Answer any two questions:

2×2=4

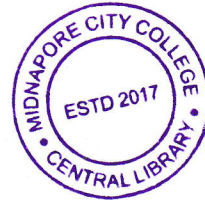
- a) Define landscape ecology.
- b) Define Leopold's land ethics.
- c) What is eco-feminism?
- d) Mention four goals of ethno-ecology.

(Turn Over)

(2)

UNIT: 201.2
ENVIRONMENTAL ENGINEERING

Marks: 20
GROUP-A



1. Answer any one question:

1×8=8

- a) Discuss the treatment procedures of sludge with proper illustrations.
- b) Briefly discuss the controlling technologies of air pollution.

GROUP-B

2. Answer any two questions:

2×4=8

- a) Write the techniques of Ambient Air Monitoring.
- b) What are the techniques for primary treatments of waste water?
- c) Illustrate the spatial distribution of arsenic pollution in West Bengal.
- d) Assess the impact of noise pollution on human health.

GROUP-C

3. Answer any two questions:

2×2=4

- a) What is activated sludge?
- b) Define Phytoremediation.
- c) Define primary and secondary pollutants with examples.
- d) Mention the principle of reverse osmosis method.
