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M.A. / M.Sc.

GEOGRAPHY

**Gg - 423 : Geography and Ecosystem
(2008 Pattern) (Semester - IV)**

Time : 3 Hours]

[Max. Marks : 80

Instructions to the candidates:

- 1) *Attempt any four questions.*
- 2) *All questions carry equal marks.*
- 3) *Use of map stencils is allowed.*

Q1) Write a geographical essay on spatial and temporal dimensions of ecosystem.

Q2) Explain the nitrogen cycle in an ecosystem with diagram.

Q3) Describe the forest ecosystems.

Q4) What is carrying capacity? Discuss various issues related with population growth and carrying capacity of the earth.

Q5) Discuss the environmental and ecological changes due to big dams with reference to 'Sardar Sarovar' project.

Q6) Bring out the salient features of the environmental protection Act in India.

Q7) Write notes on Any Two of the following:

- a) Habitat and ecological niche.
- b) Food chain and trophic levels.
- c) Eco-tourism.

