

Geography (P.G.)

[CBCS]

M.Sc. Third Semester End Examination-2023

(Regular & Supplementary Paper)

PAPER-302

Full Marks: 40

Time: 02 Hrs

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

[Use separate answer script for each group]

Unit 27

Land Water, Forest: Concept & Conservation

Full Marks 20

Group A

Answer any one question of the following:

1x8=8

1. Discuss the causes and consequences of land degradation in India.
2. Elucidate the ecological and economic significance of wetlands.

(2)

Group B

Answer any two questions of the following: 2x4= 8

3. What is an effective way to restoring a wetlands ecosystem?
4. How do you apply remote sensing and GIS techniques for forest health monitoring?
5. Briefly discuss the major characteristics of mangrove forest.
6. Why is biodiversity very rich in rain forest?

Group C

Answer any two questions of the following: 2x2= 4

7. What is community agroforestry?
8. What do you mean by water quality index?
9. Define canopy.
10. What is land capability?

Unit 28

Full Marks 20

Food and Agricultural Geography

Group A

Answer any one question of the following: 1x8=8

1. Critically analyse the Peri-Urban land-use pattern following R Sinclair's theory.
2. Explain how ecosystem based agriculture can sustain food security in all respect.

(3)

Group B

Answer any two questions of the following: 2x4= 8

3. Explain the negative social and environmental impacts of Green revolution in India.
4. Write a short note on commercialization of agriculture in India.
5. Critically analyse the T & V model of technology transfer in Indian agriculture.
6. Write short note on Blue Revolution.

Group C

Answer any two questions of the following: 2x2= 4

7. What is meant by Fertile Crescent in ancient agriculture?
8. What is Geographical Indication?
9. What do you mean by organic farming?
10. What are the impacts of climate change on food security?