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M.Sc. RNLK-/GEO-302/21

2021

Geography

[Third Semester]

Paper - GEO 302

Full Marks : 40

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.

Unit-27

Land Water Forest : Concepts & Conservation

Group - A

- 1. Answer any one question** **1×8=8**
- a. What are the factors that determine land capability class for selecting optimum land use?
 - b. Discuss the causes of land degradation and its consequences in India.

(Turn Over)

(2)

Group - B

- 2. Answer any two questions** **2×4=8**
- a. What is the effective way for restoring a wetland-ecosystem.
 - b. What are the special characteristics of mangrove forest?
 - c. How do you apply remote sensing and GIS techniques for forest health monitoring?
 - d. Write the different management strategies for water resource in India.

Group - C

- 3. Answer any two questions** **2×2=4**
- a. What is community agroforestry?
 - b. What is water scarcity?
 - c. What is meant by water quality index?
 - d. Which satellites are used for land use mapping?

(3)

Unit-28

Food & Agricultural Geography

Group - A

1. Answer any one question 1×8=8
- a. Explain role of physiographic and edaphic factors in agricultural practices in India.
 - b. Analyse the causes of disparity in regional pattern of food security.

Group - B

2. Answer any two questions 2×4=8
- a. What are the phases Green Revolution in India?
 - b. Discuss the components of organic farming.
 - c. Write on land use zoning in peri-urban areas proposed by R.Sinclair.
 - d. Write short notes on Blue Revolution.

Group - C

3. Answer any two questions 2×2=4
- a. What is 'GIAHS'?
 - b. What is Yellow revolution?

(4)

- c. What is meant by founder crops?
- d. What is meant by 'Fertile Crescent' of Pre-historic world?

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