



Raja N. L. Khan Women's College (Autonomous)

2022

Geography

P.G. CBCS

First Semester Examination 2021

Paper: GEO 102

Full Marks - 40

Time- 2hrs

The figures in the right-hand margin indicate fullmarks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate answers as necessary.

Unit: 3 Hydrology and Water Management

Group- A

1. Answer any one question 1x8=8
- a. Explain isohyetal method of basin rainfall analysis with suitable example.
 - b. Discuss the role of watershed management in socio-economic planning of a region.

Group- B

2. Answer any two questions 2x4=8
- a. Briefly illustrate the framework of global water budget.
 - b. Examine the application of Gumbel's law in hydrological frequency analysis.
 - c. Mention the principles of integrated watershed management.
 - d. Why is evapotranspiration rate high in tropical climate?

Group- C

3. Answer any two questions 2x2=4
- a. What is Infiltration capacity?
 - b. What is potential evapotranspiration (PE)?
 - c. What is Interception?
 - d. What is lag time?

Unit-04
Oceanography

Group- A

4. Answer any one question

1x8=8

- a. Critically explain the theory of coral reef formation proposed by Darwin.
- b. Write down the characteristics of different types of estuaries based on geomorphological variation with example.

Group- B

5. Answer any two questions

2x4=8

- e. Write the characteristics of major subdivisions of marine environment.
- f. Briefly discuss the causes of global sea level changes.
- g. Mention different types of mangrove species found in tropical and sub-tropical coasts.
- h. Write the differences between territorial sea and contiguous zone.

Group- C

6. Answer any two questions

2x2=4

- a. What is coral bleaching?
- b. Define amphidromic point?
- c. What is capillary wave?
- d. Define longshore drift.