

**24P219**

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Name : .....

Reg. No : .....

**SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2025**

(CBCSS-PG)

(Regular/Supplementary/Improvement)

**CC19P ESC2 C09 - HYDROLOGY AND WATER RESOURCE MANAGEMENT**

(Environmental Science)

(2019 Admission onwards)

Time: 3 Hours

Maximum: 30 Weightage

**Part-A**

Answer any *four* questions. Each question carries 2 weightage.

1. Explain the status of world's water resources.
2. Explain the amphoteric nature of water.
3. Explain Sleet.
4. Define Natural hydrograph.
5. Define Specific yield.
6. Explain Specific discharge.
7. Define Isochrones.

**(4 × 2 = 8 Weightage)**

**Part-B**

Answer any *four* questions. Each question carries 3 weightage.

8. Explain Hydroinformatics.
9. Discuss the methods of estimation of run off.
10. Explain the uses of flood frequency analysis.
11. Define aquiclude.
12. Define GIS.
13. Describe the causes and consequence of flood.
14. List any four management strategies for Riparian management.

**(4 × 3 = 12 Weightage)**

**Part-C**

Answer any *two* questions. Each question carries 5 weightage.

15. Explain hydrological cycle with a neat sketch.

16. Discuss different methods of drainage basin analysis.
17. Discuss different statistical methods used in hydrology.
18. Make a note on Sustainable Forest management.

**(2 × 5 = 10 Weightage)**

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