

23P219

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Name:

Reg.No:

SECOND SEMESTER M.Sc DEGREE EXAMINATION, APRIL 2024

(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 different aspects of Hydrometeorology.
2. Define sublimation.
3. Explain Detention storage.
4. Define Natural hydrograph.
5. Define Specific yield.
6. Explain Specific discharge.
7. Explain National Floodplains Zoning Policy.

(4 × 2 = 8 Weightage)

Part-B

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

8. Explain the basic data required for hydrological studies.
9. Explain Stream Length Ratio.
10. Define T-test.
11. Explain Watertable aquifer.
12. Define GIS.
13. List the significance of wetland ecosystem.
14. Make note on pros and cons of River linking in India.

(4 × 3 = 12 Weightage)

Part-C

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

15. Discuss all the three phases of water with a neat diagram.
16. Explain Global Water Balance.
17. Explain different forms of flood frequency distribution.
18. Make a note on water pollution.

(2 × 5 = 10 Weightage)
