

20P220

(Pages: 1)

Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2021

(CUCSS - PG)

(Regular/Supplementary/Improvement)

CC19P ESC2 C09 - HYDROLOGY AND WATER RESOURCE MANAGEMENT

(Environmental Science)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

I. Answer any *four* questions. Each Question carries 2 weightage.

1. What is water pollution and explain its causes?
2. Explain Water budget.
3. Define Aquifer and mention the different types of aquifers.
4. Comment on Ground water exploration.
5. What is ECO-hydrology?
6. Distinguish between sub-surface and underground flows.
7. How do you measure infiltration?

(4 × 2 = 8 Weightage)

II. Answer any *four* questions. Each question carries 3 Weightage.

8. With a sketch, explain Hydrologic cycle.
9. Write a note on issues concerned with river linking in India.
10. Explain with a neat sketch the various zones of storage in a reservoir.
11. Define evaporation and describe the factors affecting evaporation losses.
12. What is Water harvesting? Explain various methods of water harvesting.
13. Describe historical development of hydrology and global water budget.
14. Explain water conservation techniques and strategies.

(4 × 3 = 12 Weightage)

III. Write an essay on any *two* of the following. Each question carries 5 Weightage

15. Briefly discuss various measures of water management.
16. Explain flood management and flood frequency analysis in brief.
17. Briefly explain the water treatment techniques
18. Explain the importance of conservation and planning for the development of water resources.

(2 × 5 = 10 Weightage)
