

CBCS SCHEME

15CV661

USN

--	--	--	--	--	--	--	--	--	--

Sixth Semester B.E. Degree Examination, Aug./Sept.2020 Water Resources Management

Time: 3 hrs.

Max. Marks: 80

Note : 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. Missing data if any may be assumed suitably.

Module-1

- 1 a. Explain Hydrological cycle with sketch. (08 Marks)
b. What are the types of aquifers? Explain with neat sketch. (08 Marks)

OR

- 2 a. Discuss the global water budget and India's water budget. (08 Marks)
b. With a sketch, explain different types of aquifers. (08 Marks)

Module-2

- 3 a. Narrate the necessity of Water Resources Planning and Management. (08 Marks)
b. Explain the integrated adaptive policies of Water Resource Management. (08 Marks)

OR

- 4 a. Explain Water Resources Planning and Management Approaches. (08 Marks)
b. What are the types of Water Resources Planning and Management aspects? (08 Marks)

Module-3

- 5 a. Define IWRM and explain the principles of IWRM. (08 Marks)
b. Explain Legislative and Organisational frame work of IWRM. (08 Marks)

OR

- 6 a. Explain the implementation of IWRM. (08 Marks)
b. What are motives for involvement of private sector participation in IWRM and explain the types of PPP in IWRM. (08 Marks)

Module-4

- 7 a. Explain National Water Policies. (08 Marks)
b. Discuss IMT and its activities. (08 Marks)

OR

- 8 a. Explain briefly about the National level water commissions. (08 Marks)
b. What are the steps for establishment of legal registration of WUA's? (08 Marks)

Module-5

- 9 a. Discuss the principles of water harvesting and conservation. (08 Marks)
b. Describe the practical water harvesting and conservation techniques. (08 Marks)

OR

- 10 a. What are the design system component for root top water harvesting system? (08 Marks)
b. With sketches, explain Farm pond and Percolation tank. (08 Marks)

* * * * *

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.

CMRIT LIBRARY
BANGALORE - 560 037

