USN | | | | | | | | | **18PLN762**

Seventh Semester B.Planning Degree Examination, Jan./Feb. 2023
Water Resource Management

Time: 3 hrs.   Max. Marks:100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

1   What is water resource and its management? List out and explain current land and water sources of India.   **(20 Marks)**

OR

2 a. What is virtual water? Write the flow chart of source of water.   **(10 Marks)**
   b. Explain the various types of water demand and uses of water.   **(10 Marks)**

Module-2

3   What are water crisis and water stress? Explain current situation of water crisis and stress in India.   **(20 Marks)**

OR

4 a. Why it is needed to protect "Aquifers"? How?   **(10 Marks)**
   b. Enumerate and explain the various steps and measures taken by the government of Indian towards water conservation.   **(10 Marks)**

Module-3

5 a. What are the legislations of statutes governing water resources?   **(10 Marks)**
   b. Enumerate various initiatives under water framework law of India, 2016 and explain the concept generally.   **(10 Marks)**

OR

6 a. What are the legislation for preventing water pollution at various levels?   **(10 Marks)**
   b. List out any 10 environment laws for preventing water pollution in India. Explain any one of it, with draw backs of that act.   **(10 Marks)**

Module-4

7   What is mutli–purpose storage? What are all the various protection measures taken for surface and ground water sources?   **(20 Marks)**

OR

8 a. What are dams and purpose of it?   **(10 Marks)**
   b. Explain various types of dams and list out few major dams in India.   **(10 Marks)**

Module-5

9   Explain how integrated water resources management can be developed (IWRM).   **(20 Marks)**

OR

10 a. What are water demand management and its incentives for implementation with an example?   **(10 Marks)**
   b. Explain water conservation strategies.   **(10 Marks)**

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