

17 APR 2023

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Question Paper Code	11762
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B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL/MAY 2023
Eighth Semester
Civil Engineering
CE8015 - INTEGRATED WATER RESOURCES MANAGEMENT
(Regulations 2017)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)
Answer ALL Questions

	<i>Marks, K-Level, CO</i>
1. Enlist the IWRM Principles.	2,K1,CO1
2. What are the agendas of Dublin principle towards IWRM?	2,K1,CO1
3. State the concept behind the millennium development goals.	2,K1,CO2
4. Write any four UN –SDG goals related to water management.	2,K1,CO2
5. What is the impact of climate change on water resources systems?	2,K1,CO3
6. What are benefits of Flood & Drought portal?	2,K1,CO3
7. List the objectives of IWRM for Rural development.	2,K1,CO4
8. What is watershed conservation?	2,K1,CO4
9. Write the advantages of capacity building for Integrated resources management.	2,K1,CO5
10. What are the factors affecting the implementation of IWRM?	2,K1,CO5

PART - B (5 × 13 = 65 Marks)
Answer ALL Questions

11. a) Write down the history and evolution of IWRM towards sustainability. 13,K2,CO1
- OR**
- b) Explain the relationship between IWRM and its relation to sub-sectors with the help of a flow diagram. 13,K2,CO1
12. a) Discuss on Institutionalizing IWRM in Developing & Transition Countries. 13,K2,CO2
- OR**
- b) Explain in detail the role of Integrated Water Resources Management in development of river basin organizations. 13,K2,CO2
13. a) Explain in detail about the Impact of IWRM towards Drinking water management due to climatic change. 13,K2,CO3

OR

- b) Discuss on the context of Flood & Drought management through water resources development in India. *13,K2,CO3*

14. a) Explain in detail the Evolution and benefits of Watershed development and conservation. *13,K2,CO4*

OR

- b) Explain in detail about the Role of IWRM for Rural development in various sectors. *13,K2,CO4*

15. a) Explain in detail about the International Capacity development Network for sustainable water management. *13,K2,CO5*

OR

- b) Discuss on the policy issues on conceptual frame work and its implementation towards for sustainable water management. *13,K2,CO5*

PART - C (1 × 15 = 15 Marks)

16. a) Write in detail on Methodology for the Assessment of Institutional Frameworks for Water Resources Management. *15,K2,CO6*

OR

- b) Discuss on the strategies for effective water management with a help of case study. *15,K2,CO6*