

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)  
B.Tech.Sem - VI CIVIL : WINTER- 2022  
SUBJECT : URBAN WATER MANAGEMENT

Day : Wednesday  
Date : 30-11-2022

W-13615-2022

Time : 10:00 AM-01:00 PM  
Max. Marks : 60

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Assume suitable data **WHEREVER** necessary.

- Q.1 What is the urban water cycle and how does it differ from the natural water cycle? (10)  
OR  
Q.1 What are the challenges of urban water management? (10)
- Q.2 What are the various sources of water? Name water quality indicators. (10)  
OR  
Q.2 What are the main sources of wastewater? Explain types of wastewater. (10)
- Q.3 List out the importance of stormwater management in times of climate change with a case study. (10)  
OR  
Q.3 What are the adverse impacts of climate change on urban water tools and management strategies? (10)
- Q.4 Explicate the urban contributions and impacts to climate change with suitable examples. (10)  
OR  
Q.4 Elucidate the impact of climate change with examples in recent years at national and global levels. (10)
- Q.5 What are the principles of Integrated Urban Water Management (I.U.W.M.)? (10)  
OR  
Q.5 What is water governance and why is it necessary for big cities? (10)
- Q.6 How does involving NGOs and community, help in building framework for Integrated Urban Water Management (I.U.W.M.). (10)  
OR  
Q.6 What are the various sustainable development practices which are to be followed for Integrated Urban Water Management (I.U.W.M.)? (10)

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