

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)

B.Tech.Sem - VI CIVIL : WINTER- 2022

SUBJECT : URBAN WATER MANAGEMENT

Day : Wednesday

Time : 10:00 AM-01:00 PM

Date : 30-11-2022

W-13615-2022

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)
