

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

Day : Thursday  
Date : 23-06-2022

**S-13615-2022**

Time : 02:30 PM-05:30 PM  
Max. Marks : 60

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the **RIGHT** indicate **FULL** marks.
  - 3) Assume suitable data **WHEREVER** necessary.
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**Q.1** What are the impacts and consequences of 'expanding city limits' on Urban Water Management? **(10)**

**OR**

**Q.1** List out the critical challenges in implementing Urban Water Management in some cities. **(10)**

**Q.2** How does urbanization affect water resources? **(10)**

**OR**

**Q.2** What are the Water Prevention and Control of Pollution Act 1974? **(10)**

**Q.3** What is climate change? What are the causes and consequences of climate change on Urban Water Management? **(10)**

**OR**

**Q.3** What is the implication of climate change on Urban Water tools and Management Strategies? **(10)**

**Q.4** Explain climate change and its impact. What are the causes and consequences of climate change on Urban Water Management? **(10)**

**OR**

**Q.4** Explicate the urban contributions and impacts to climate change with suitable examples. **(10)**

**Q.5** Compare conventional Urban Water Management with Integrated Urban Water Management with a suitable case study, if any. **(10)**

**OR**

**Q.5** What is 'Smart Water Management' concept used in SMART cities? **(10)**

**Q.6** List out and explain various initiatives and programs of central and local government departments in implementing Integrated Urban Water Management (I.U.W.M.). **(10)**

**OR**

**Q.6** List out various NGOs and other private stake holders working in implementing Integrated Urban Water Management (I.U.W.M.). Highlight their various works and contribution in the field of (I.U.W.M.). **(10)**

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