

**B.Tech. SEM -VI (Civil ) 2014 Course (CBCS) : SUMMER - 2019**  
**SUBJECT : ELECTIVE – I : URBAN WATER MANAGEMENT**

Day : Friday  
Date : 31/05/2019

Time : 02.30 PM TO 05.30 PM  
Max. Marks : 60

**S-2019-2720**

**N. B. :**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

**Q.1** What are the consequences of Globalization on Urban Water Management? (10)  
Explain in detail.

**OR**

What are the effects and challenges of expanding city limits on Urban Water Management? List out special challenges faced by some cities.

**Q.2** What are the various impurities present in various sources of water? Explain (10)  
methods of removal of impurities present in water.

**OR**

What is Water Cess Act? Explain the provisions of the act in detail.

**Q.3** What is Storm Water Management? Explain it's necessity for big cities. (10)

**OR**

What is benefit cost ratio for Urban Water Management?

**Q.4** What are the various causes of climate change? Explain the causes in detail. (10)

**OR**

What are the various response options and resilience to climate change?

**Q.5** What is the difference between Conventional and Integrated Urban Water (10)  
Management Systems?

**OR**

What is the need of application of Integrated Urban Water Management System for SMART cities?

**Q.6** What is the role of government in the formation of framework for Integrated (10)  
Urban Water Management?

**OR**

What are the sustainable development practices in Integrated Urban Water Management framework?

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