



b) Explain with any case study the ground water management system in India. *13,K2,CO3*

14. a) Describe the physical, chemical and biological water quality standards for various purposes. *13,K2,CO4*

**OR**

b) Discuss about the groundwater legislation and its inadequateness. *13,K2,CO4*

15. a) List out the various methods of artificial recharge and explain any four methods in detail with neat sketches. *13,K2,CO5*

**OR**

b) Explain the sources, effects and control of sea water intrusion in groundwater. *13,K2,CO5*

**PART - C (1 × 15 = 15 Marks)**

16. a) Explain in detail about protection zone delineation. *15,K2,CO6*

**OR**

b) (i) Discuss in detail the groundwater remediation from contamination and scaling of abandoned wells. *8,K2,CO6*

(ii) Explain the methods and benefits of conjunctive use of groundwater. *7,K2,CO6*