



Symbol of Secularism  
& National Integration

**ANJUMAN-I-ISLAM'S**  
**KALSEKAR TECHNICAL CAMPUS, NEW PANVEL**  
*School of Architecture*

*Approved & Recognised by: All India Council for Technical Education and Council of Architecture, New Delhi  
Directorate of Technical Education, Govt. of Maharashtra Affiliated to: University of Mumbai*

**SEM-III S.Y.B.ARCH EXAMINATION ATKT EXAMINATION APRIL 2015**  
**(REVISED COURSE)**

Subject: Architectural Building Services - I  
Max. Marks: 50

Date: 30/04/2015

Duration: 2 Hrs

**Notes:**

- **Solve any five questions out of Seven.**
- **Numbers on the right hand side indicate marks.**
- **No extra marks for optional questions.**

- Q1.** Define the following: (Any Four) [10]
1. Sullage
  2. Water Cycle
  3. Sanitation
  4. Q Traps
  5. Unions in water supply system
  6. Gully trap
- Q2.** Explain in detail the water cycle with necessary sketches. [10]
- Q3.** Explain the different aspects to be considered while designing a drainage and sanitation system. Draw proportionate sketches wherever necessary. [10]
- Q4.** Explain in detail the Drainage and Sanitation system in architecture. Give necessary sketches. [10]
- Q5.** What are water supply appurtenances? Explain the functions of each and every type of appurtenances Used in water supply system with sketches. [10]
- Q6.** What are traps? How traps are classified into different types? Where are they used? Give information about different types of traps with their respective sketches. [10]
- Q7.** Describe in detail different types of systems used to supply water to a particular site. Draw sketches and give examples of when, where and which type of systems are used. [10]