

**Bengal Engineering and Science University Shibpur**  
**Plumbing Services AR 304**  
**BArch 7<sup>th</sup> Semester Examination**

**Full Marks 70**

**Time 3Hrs**

**All questions are of equal marks**  
**Attempt any five of the followings**

Q1 How the water is received in nature? What should be the quality of water for drinking purposes. What is the requirement of water per person in an average town? Why and how this estimations are prepared.

Q3 What are the different types of pumps are used in different purposes for collection of water from nature. ? Write about the functions of domestic pumps.

Q4 What are the different types of equipments are used in water supply ? What type of materials are used for pipes carrying drinking water. Name a few of them with their advantages and disadvantages.

Q5 What do you understand by receptacles of water in domestic purposes. Name at least five of them and their functions.

Q6 Write about the functions of trap, stopcock, vent pipe and valve.

Q7 Draw a neat sketch of the toilet of your residence showing the location of tap, trap, water closet, cistern, soil pipe, and waste pipe.

Q8 Do you have any idea how the drinking water is supplied to you in BESU campus ? How many over head tanks are there in the campus and how many valves are operative on the surface?