

Question 1:

Why are the studies of population essential for the proper design of water-supply works ?

Question 2:

Draw the flow diagram in surface water purification plant and point out the purpose of each step of Treatment.

Question 3:

What are the factors affecting the rate of water consumption?

Question 4:

Estimate the population for the city X in the year 2030 using the annual growth method.

<i>Year</i>	<i>Population</i>
1960	9,000
1970	13,000
1980	18,000
1990	22,000
1995	28,000

Question 5:

Estimate the population for the city (A) in years 2025, 2050 using the following methods: -

- a- Arithmetic method.
- b- Geometric method.
- c- Annual growth rate.