

MODEL QUESTION PAPER

Branch: Civil

Semester: 05

Subject code: CE2304

Subject Name: Environmental Engineering-I

Part-A (2 Marks)

1. What are the methods of population forecasting?
2. Define design period?
3. What are the factors governing the design period?
4. What are various type of water demand?
5. What are the various type of water available on the earth?
6. What is hydrologic cyde?
7. What are tube wells?
8. What are the types of intake?
9. What are the factors governing location of intake?
10. What are the factors governing location of intake?

PART B (16 marks)

1. a. What are the objectives of public water supply scheme? (8)
b. What are the intakes? (8)
2. What are the different materials used for water supply pipes (16)
3. The population of 5 decades from 1930 to 1970 is given below in the table. Find out the population of 1, 2, 3 decade beyond the last known decade by using
 1. Arithmetic increase method.
 2. Incremental increase method. (16)
 3. Geometric increase method.

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|------------|-------|-------|-------|-------|-------|
| YEAR | 1930 | 1940 | 1950 | 1960 | 1970 |
| POPULATION | 25000 | 28000 | 34000 | 42000 | 47000 |

4. What are the causes for pollution of surface and subsurface sources of water? State the measures to be adopted to prevent pollution of water. (16)
5. With neat sketch, explain any two intake structures. (16)