

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -I EXAMINATION- 2025

B.Tech-IV Semester (CE)

COURSE CODE (CREDITS): 23B11CE412

MAX. MARKS: 15

COURSE NAME: WATER SUPPLY ENGINEERING

COURSE INSTRUCTOR: NIRAJ SINGH PARIHAR

MAX. TIME: 1 Hour

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	CO	Marks
Q1	Discuss the planning process of the water supply scheme with the help of a flow diagram. Also mention the important schemes run by GOI for upliftment and financing of water supply schemes.	CO1	5
Q2	The population of a certain city as recorded per decade from 1880 to 1940 was 25000, 27500, 34,100, 41500, 47050, 54500 and 61000 respectively. Estimate the population for the year 2000 and 2030 using incremental increase and geometric increase methods.	CO2	5
Q3	Explain the working and construction details of a wet intake well with the help of a suitable figure. Also mention the advantages of the same over dry intake well.	CO2,3	5