

11/8/30

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2025

BCA -I Semester

COURSE CODE (CREDITS):25BC1CI112

MAX. MARKS: 25

COURSE NAME: PROBLEM SOLVING TECHNIQUE USING C

COURSE INSTRUCTORS:SRT

MAX. TIME: 1 Hour 30 Min

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.	a. Do jumping statements have the capability to alter the flow of control with respect to program execution? If yes/ no, justify your response in detail.	CO-2	2.5
	b. Write a C program showcasing the use of any one jumping statement of your choice?		2.5
Q2.	a. Explain in detail the different types of control statements in detail?	CO-2	2.5
	b. Write a C program that checks whether a positive number entered by the user is a perfect number or not?		2.5
Q3.	a. Highlight the difference between operator precedence and associativity through suitable examples?	CO-2	2.5
	b. Write a C program that showcases operator precedence and associativity?		2.5
Q4.	Explain the concept of arrays in C programming?	CO-2	5
Q5.	Write a C program that prints a 2-dimensional array with predefined inputs?	CO-2	5