

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

Make-up Examination-Nov-2025

COURSE CODE (CREDITS): 25B11CI112 (3)

MAX. MARKS: 25

COURSE NAME: Software Development Fundamentals – I

COURSE INSTRUCTORS: PKG, AKJ, KSL, AMN, MNK, MGD, FSL, PLK

MAX. TIME: 1 Hour 30 Min

Note: 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	You are given a list of number in an Array. Mention the maximum number of steps required to sort an array of size n. Write a program to insert 'n' numbers in an array and search an element through Linear Search.	2	5
Q2	Suppose that you have given two numbers. Write a c program to swap the given two numbers without using 3rd variable.	2	5
Q3	Write a C Program to calculate the factorial of a number through while loop.	3	5
Q4	Write a C Program to print the following pattern: 1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 You are allowed to use only two loops and two printf statements.	3	5
Q5	Write a program in C to print multiplication of two numbers entered by the user through keyboard without using * operator	2	5