

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCom DEGREE EXAMINATION DECEMBER 2025
(Third Semester)

Branch – COMMERCE WITH COMPUTER APPLICATION
FUNDAMENTALS OF C PROGRAMMING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Who is the father of C Language? (a) Steve Jobs (b) James Gosling (c) Dennis Ritchie (d) Rasmus Lerdorf	K1	CO1
	2	How many keywords are there in C Language? (a) 32 (b) 33 (c) 64 (d) 18	K2	CO1
2	3	The C source file is processed by the _____. (a) Interpreter (b) Compiler (c) Both Interpreter and Compiler (d) Assembler	K1	CO2
	4	When the condition of if statement is false, the flow of code will _____. (a) Go into the if block (b) Exit the program (c) Continue the code after skipping the if block (d) None of the above	K2	CO2
3	5	Which function is used to concatenate two strings in C? (a) concat() (b) cat() (c) stringcat() (d) strcat()	K1	CO3
	6	You can access elements of an array by _____. (a) Values (b) Indices (c) Memory addresses (d) All of the above	K2	CO3
4	7	Functions can return enumeration constant in C. (a) True (b) False (c) Depends on the compiler (d) Depends on the standard	K1	CO4
	8	What is function overloading? (a) Process of multiple functions (b) Multiple functions with the same name (c) Looping functions (d) All of the above	K2	CO4
5	9	Which operator is used to access the member of a structure? (a) _____ (b) <> (c) * (d) .	K1	CO5
	10	Which header file should be included for input and output functions in C? (a) <stdlib.h> (b) <stdio.h> (c) <math.h> (d) <string.h>	K2	CO5

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

 $(5 \times 7 = 35)$

Module No.	Question No.	Question	K Level	CO
1	11.a.	Describe the Character set. (OR)	K1	CO1
	11.b.	List the types of constants.		
	12.a.	Illustrate the decision making with IF statement (OR)		
2	12.b.	Analyze the go to statement.	K2	CO2
	13.a.	Construct initialization of One-dimensional arrays. (OR)		
	13.b.	Explain the reading strings from terminal.		
3	14.a.	Examine the need for User-defined functions in C. (OR)	K3	CO4
	14.b.	Classify the elements of User-defined functions.		
	15.a.	Explain the Arrays of Structures in C. (OR)		
4	15.b.	Analyze the file management in C.	K4	CO5

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

 $(3 \times 10 = 30)$

Module No.	Question No.	Question	K Level	CO
1	16	State the steps in executing a C program.	K1	CO1
2	17	Discuss the Nesting of If....Else Statements.	K2	CO2
3	18	Elaborate about writing strings to screen in C.	K2	CO3
4	19	Explore No Arguments and No Return Values.	K3	CO4
5	20	Explain about declaring Structure variables in C.	K4	CO5