

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCom DEGREE EXAMINATION MAY 2026
(Third Semester)

Branch – COMMERCE (COMPUTER APPLICATIONS)

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	Functions in C Language are always _____. (a) Internal (b) External (c) Both internal and external (d) External and internal are not valid terms for functions	K1	CO1
	2	How many punctuation characters are allowed in C Language? (a) 29 (b) 30 (c) 31 (d) 32	K2	CO1
2	3	Where is the if-else statement in C programming is used? (a) Create multiple conditional statements (b) Return values (c) Loop in if-else block (d) All of these	K1	CO2
	4	What does a do-while loop do? (a) Repeats the process infinitely (b) Processes the code at least once and then repeats (c) Repeats only once (d) All of the above	K2	CO2
3	5	A string is terminated by _____. (a) New line (b) Null (c) Whitespace (d) None of the above	K1	CO3
	6	Which is the correct syntax to declare an array in C? (a) data_type array_name[array_size] (b) data_type array_name{array_size} (c) data_type array_name[] (d) All of the above	K2	CO3
4	7	What is a function? (a) Looping code (b) Code that operates when called (c) Unknown variable (d) All of the above	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

Cont...

5	9	Which operator is used to access the member of a structure? (a) _ (b) <> (c) * (d) .	K1	CO5
	10	Which is the correct syntax to create a union? (a) union union_name {}; (b) union union_name {} (c) union union_name (); (d) union union_name()	K2	CO5

SECTION - B (35 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Discuss the overview of C Program.	K1	CO1
		(OR)		
	11.b.	Classify the data types in C.		
2	12.a.	Illustrate the simple if statement in C.	K2	CO2
		(OR)		
	12.b.	Analyze the switch statement.		
3	13.a.	Construct one-dimensional Arrays in C	K3	CO3
		(OR)		
	13.b.	Explain the reading strings from terminal.		
4	14.a.	Explain the definition of functions in C.	K3	CO4
		(OR)		
	14.b.	Discuss the category of functions in C.		
5	15.a.	Defining a Structure in C.	K4	CO5
		(OR)		
	15.b.	Identify unions in C.		

SECTION - C (30 Marks)Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Examine the basic structure of C program.	K3	CO1
2	17	Analyze the ELSE IF LADDER in C.	K4	CO2
3	18	Discuss the String-Handling functions in C.	K4	CO3
4	19	Categorize a multi-function program in C.	K5	CO4
5	20	Discuss the accessing Structure members in C.	K6	CO5