

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCom DEGREE EXAMINATION DECEMBER 2023
(Third Semester)

Branch - COMMERCE WITH COMPUTER APPLICATIONS

FUNDAMENTALS OF C PROGRAMMING

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

1. Who is the founder of C Program?
(i) Dennis Ritchie (ii) James Gosling
(iii) Bjarne Stroustrup (iv) James Jordan
2. Which one of the following is a symbol that operates a variable?
(i) Keywords (ii) Operator
(iii) Token (iv) New
3. Which string function is used to join the two strings?
(i) strcpy() (ii) strrev()
(iii) strcat() (iv) strlen()
4. If a function returns nothing, what kind of return is that?
(i) int (ii) void
(iii) float (iv) char
5. Which operator connects the structure name to its member name?
(i) -> (ii) =
(iii) . (iv) *

SECTION – B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

6. a) Explain about the history of C programming.
OR
b) Describe about the rules to create a variable.
7. a) Compare the do-while and while statement with an example.
OR
b) Explain about the ternary operator in C.
8. a) State in your own words about character arrays.
OR
b) Describe about any 3 string functions.
9. a) Explain about pointer and the procedure to create a pointer variable.
OR
b) Describe the need for user defined functions.
10. a) How would you summarize the structure concept with an example?
OR
b) Compare opening and closing operation of a file in C.

SECTION – C (30 Marks)

Answer any Three questions

ALL questions carry EQUAL Marks

(3 x 10 = 30)

11. Discuss about the operators in C with example program.
12. Examine the following with an example,
i) if...Statement ii) if....else iii) Switch
13. Discuss the concept of array with an example program.
14. Outline the three aspects of functions with an example,
i) Function call.
ii) Function declaration.
iii) Function definition.
15. Differentiate between the two user defined data type structure and union.

Z-Z-Z END