PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION MAY 2024
(First Semester)

Branch – **NETWORKING AND MOBILE APPLICATION**

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 Which of the following is NOT a valid C variable name?
    (i) int number;   (ii) int $main;
    (iii) int variable_count;   (iv) float rate;

2 What is an example of iteration in C?
    (i) for   (ii) while
    (iii) do - while   (iv) All of the mentioned

3 What is the default storage class for global variables?
    (i) auto   (ii) static
    (iii) extern   (iv) register

4 In C a pointer variable to an integer can be created by the declaration
    (i) int p*   (ii) int +p
    (iii) int $p   (iv) int *p

5 If the mode includes b after the initial letter, what does it indicates?
    (i) text file   (ii) big text file
    (iii) binary file   (iv) blueprint text

SECTION - B (15 Marks)
Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks   (5 x 3 = 15)

6 a Explain C Character set in brief.
                OR
   b Describe conditional operator with an example.

7 a Explain scanf function in C with an example.
                OR
   b Analyze if-else statement in C.

8 a Explain function prototypes in C.
                OR
   b Demonstrate with an example how to process an array.

Cont...

9   a   Explain sorting of strings.
                    OR
    b   Describe about Unions in Programming.

10 a   Outline various file opening modes.
                    OR
    b   Describe enumerations with suitable example.

SECTION -C (30 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 6 = 30)

11 a   Analyze various data types in C.
                    OR
    b   Categorize the operators in C.

12 a   Elucidate single character input and output with an example.
                    OR
    b   Examine the various looping statements in C.

13 a   Discuss on how to access and pass arguments to a function.
                    OR
    b   Summarize different storage classes in C.

14 a   Discuss on how to initialize, read and write a string.
                    OR
    b   Point out how to pass pointers to a function.

15 a   Elucidate on processing a data file in C.
                    OR
    b   Highlight bitwise operations with examples.

Z-Z-Z   END