

Total No. of Questions : 4]

SEAT No. :

PE-1497

[Total No. of Pages : 2

[6502]-1

F.Y. B.Sc. (Computer Science)
CS-101-T : PROBLEM SOLVING USING C
PROGRAMMING
(Rev. 2024) (Semester - I)

Time : 2 Hours]

[Max. Marks : 30

Instructions to the candidates:

- 1) Figures to the right indicate full marks.
- 2) All questions are compulsory.

Q1) Attempt any six of following :

[6 × 1 = 6]

- a) Define an Identifier.
- b) What is the use of == operator?
- c) What is flowchart?
- d) What is the use of scanf?
- e) Write the syntax to define the function.
- f) Define an Array.
- g) List the various unconditional program control statement.
- h) Define the term 'Local Variable'.

Q2) Attempt any 4 of the following :

[4 × 2 = 8]

- a) What is the difference between while loop and do-while loop?
- b) What are the rules of naming the identifiers in C Language?
- c) List various data types in C-Language along with their size.
- d) What is the difference between one-D array and two-D array?
- e) What is the use of break and continue statements?

P.T.O.

[2 × 4 = 8]

Q3) Attempt any 2 of the following :

- Define the term Algorithm. Write an algorithm that will display the table of the given number.
- What is Parameter? What are the types of Parameter? List the rules of parameter passing.
- Write the syntax and working of for loop with examples.

[2 × 4 = 8]

Q4) Attempt any 2 of the following :

- Write a program to accept 3 integers and display the sum of greatest and smallest number.
- Write a recursive function to find the factorial of a given number.
- Explain the use of following operators ++, --, != and &&