

Date : 03/06/2026 Total Marks : 60 Time: 10.00am to 12.30pm

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagrams wherever necessary.

1. “\n” is a ---- character.
 - a) tab
 - b) back space
 - c) null
 - d) new line
2. Every C program must have ----function
 - a) main()
 - b) sub()
 - c) recursive function
 - d) no function
3. The conversion specification for string is -----
 - a) %c
 - b) %d
 - c) %a
 - d) %s
4. C Language has been designed and written by-----
 - a) F. C Codd
 - b) Denis Ritchie
 - c) James
 - d) Jackson
5. 25/3 evaluates to:
 - a) 2
 - b) 8
 - c) 0.8
 - d) 8.33

1. `10.20` is an integer constant
2. Keyword cannot be used as a variable name
3. Every if must have else clause
4. You must initialize an array at the time of declaration
5. String constants are enclosed in double quotes in C.

Q.3. Answer the following. (Solve any 5) (10)

1. What is the use of break statement in C?
2. What is identifier?
3. What is array index?
4. What is pointer? How it is declare?
5. What is sorting?
6. Write a library function Copy the contents of one string to another.

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. Discuss the working of a nested for loop in C with an example
2. What are symbolic constants? Write down the rules for defining constants.
3. Explain 'else if' ladder with example
4. What are file? What are different file modes available in C
5. Explain the keywords – switch, case , break, default, break in relation to switch case statement.
6. What are structures? Describe with example how to declare an array of structures
7. Write a program to print smallest number in an array.

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. What is recursion in C? Explain with example
2. What is general form of C function? Write its advantage and disadvantages of functions.
