

BACHELOR OF COMPUTER APPLICATION
FIRST SEMESTER
PROGRAMMING METHODOLOGY
BCA-911(B)
[USE OMR FOR OBJECTIVE PART]

2024/12

**SET
A**

Full Marks: 35

Duration: 1.30 hrs.

(Objective)

Time: 15 min.

Marks: 10

1X10=10

Choose the correct answer from the following:

- What is the size of integer or int data type in C?
a. 4 bit
b. 4 byte
c. 2 bit
d. 2 byte
- What is not a data type in C?
a. int
b. return
c. char
d. none
- output is done in C using which function?
a. input()
b. read()
c. scanf()
d. printf()
- C programming language is case sensitive?
a. Yes
b. No
c. Change as per operating system
d. Some times
- Which of the following is a valid keyword in C?
a. integer
b. int
c. Sum
d. average
- Which of the following is a valid variable?
a. 1_a
b. X
c. C*
d. x@
- Which of the following is a relational operator?
a. +
b. *
c. >=
d. ?:
- Which one is a primitive logical operator?
a. !&
b. &&
c. !!
d. |!
- Which one of the following style is valid for array declaration?
a. A
b. A()
c. A[10]
d. A[5]

10. How many output is possible from a decision box used in flow chart?
- a. 1
 - b. 2
 - c. Atleast 2
 - d. None of the above

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(Descriptive)

Time : 1 hrs. 15 min.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

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| 1. | Draw a flowchart to find the greatest of three numbers? | 5 |
| 2. | a) What is a flowchart and what are its components? | 1+4=5 |
| | b) What is an algorithm and what are its characteristics? | 1+4=5 |
| 3. | a) What are the rules to declare a valid C variable? Give examples in each case. | 5 |
| | b) What are the various types of operators in C? | 1+4=5 |
| 4. | a) What is if-else ladder ? Explain. | 5 |
| | b) What is nested if statement in C? Explain. | 5 |
| 5. | a) What are the parts of an iterative statements? Explain them. | 5 |
| | b) Explain the difference of do-while loop with while loop in details. | 5 |

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