

(REVISED COURSE)

QP Code : **11879**

(3 Hours)

[Total Marks : 80]

- N.B.** (1) Question No. 1 is **compulsory**.
 (2) Attempt any **three** questions from remaining **five** questions.
 (3) Assume suitable **data** wherever **necessary**.

1. (a) Explain the difference in using call by reference and call by value methods for argument passing, for swapping 2 numbers.
 (b) What is significance of storage class ? Illustrate each storage class with example.
 (c) Find the output of the following code :

```
main()
{
int a[ ]={10,20,30,40,50};
int *j, *k;
j=&a[4];
k=(a+4);
if(j==k)
printf("Both pointers points to same location");
else
printf("Both pointers does not point to same location");
}
```

2. (a) Choose the correct answer for the following :
- (1) Parameters passed as arguments to the function call are called as

| | |
|-----------------------|-------------------|
| (a) Actual parameters | (c) No parameters |
| (b) Formal Parameters | (d) None of these |
 - (2) Which of the following return statement in function has error

| | |
|---------------|-------------------------|
| (a) return | (c) return(expression) |
| (b) return(0) | (d) None of these |
 - (3) Which of the following is not jump statement

| | |
|-----------|--------------|
| (a) for | (c) continue |
| (b) break | (d) goto |
 - (4) Which of the following is an exit controlled loop.

| | |
|-----------|--------------|
| (a) for | (c) do-while |
| (b) while | (d) if-else |
 - (5) In array a[2][3] = { 10, 20, 30, 40, 50 } then a[0][1] element is

| | |
|--------|--------|
| (a) 10 | (c) 40 |
| (b) 50 | (d) 20 |

(b) Write a program using function to print first 'n' numbers in Fibonacci series. 5

(c) Define structure within structure consisting of following elements :— 10

- (i) Employee code
- (ii) Employee name
- (iii) Employee salary
- (iv) Employee date of joining

Write a program to read atleast 10 records and display them.