

PARUL UNIVERSITY
PARUL INSTITUTE OF COMPUTER APPLICATION
BCA DEPARTMENT
Mid Term Examination – March, 2017

Subject Code:05101151
Subject Title:Advanced C Programming
Course: BCA / IMCA Semester: 2/4

Date: 10-4-2016
Time: (2 hours)
Total Marks: 30

Q-1) Solve MCQ (Attempt any 06 from 10)

(06)

1) Which operator has the lowest priority ?

- A] ++ B] % C] + D] ||

2) Compiler generates ___ file.

- A) Executable code c) Assembly code
B) Object code D) None of the above.

3) What will be the output of the following program?

```
Void main() {  
Int x []= {10,20,30};  
Print f ("%d",*(a+1)); }
```

- A] 10 B] 20
C] 11 D]21

4) What will be the output of the following program?

```
Void main() {  
Int x []= {10,20,30,40,50};  
Print f (" \n %d %d %d %d ", x [4] ,3[x] ,x[2] ,1[x] ,x[0] ); }
```

- A] Error B] 10 20 30 40 50
C] 50 40 30 20 10 D]None of these

5) Which of the following statements is true?

- A] C Library functions provide I/O facilities. B] C inherent I/O facilities
C] C doesn't have I/O facilities D] Both (a) and (c)

6) In C, a Union is

- A] memory location B] memory store
C] memory screen D] None of these

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7) A multidimensional array can be expressed in terms of

A] array of pointers rather than as pointers to a group of contiguous array

B] array without the group of contiguous array

C] data type arrays

D] None of these

8) A pointer to a pointer in a form of

A] multiple indirection

B] a chain of pointers

C] both a and b

D] None of these

9) Pointers are of

A] integer data type

B] character data type

C] unsigned integer data types

D] None of these

10) If the size of the array is less than the number of initializers then,

A] Extra values are being ignored

B] Generates an error message

C] Size of Array is increased

D] Size is neglected when values are given

Q-2) Answer the following (1 line) (Attempt any 08 from 10)

(08)

1. How many bytes are required to store integer type value?

2. Explain Extern storage class.

3. Which are logical Operators?

4. What is the use of getchar() function?

5. What is structure?

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6. What is main difference between structure and union?
7. What is preprocessor?
8. Define Array.
9. What is built in function?
10. What is recursive function?

Q-3) Answer the following questions (Short) (Attempt any 4 from 6)

(08)

1. Explain the difference between calling function and called function? Explain void function?
2. What is advantage of representing an array of string by an array of pointer to string.
3. Explain Automatic , Static and register storage classes.
4. Explain **continue and break** statements with the help of example.
5. What is array? How to declare array? Explain with suitable example.
6. What is function ?how function is defined.

Q-4) Answer the following questions (Long) (Attempt any 2 from 4) (08)

1. What is structure? explain with suitable example. Explain array of structure with example
2. Explain what is pointer? explain with suitable example. Explain pointer to structure in detail
3. What is swapping? Explain it with suitable program without using third variable.
4. Explain Two dimensional array with an example. Explain applications of array.

*** All the Best***