

B.V. Patel Institute of Business Management, Computer & Information Technology
Uka Tarsadia University
2nd Internal Examination, BCOM 3rd Semester
030100315: Programming in 'C'

Date: 10/10/2017

Marks: 50
Time: 2 hrs.

Q-1 Answer the following. (Any Eight)

[16]

1. Write the syntax to declare a pointer variable.
2. Write the difference between *p[3] and (*p)[3].
3. What will be the output of following code and why?

```
void main()
{
    int x,*p;
    x=20;
    printf("%d",p);
}
```

4. Mention the use of strlen() .
5. How can we copy and compare structure variables?
6. Mention the real time examples of structure.
7. Brief the concept of call by reference.
8. Which are the ways to declare structure variables?
9. Declare an array of structure book to store 5 book elements.

Q-2 Answer the following. (Any Two)

[20]

1. Create a structure to maintain customer details with following members:
Custid,cname,gender,city,contno. Read three customer records and display them.
2. Write a program to display two integer number's value and address using pointers.
3. Describe the use of strcpy() and strcat() in detail with syntax and example.

Q-3 Answer the following in detail. (Any Two)

[14]

1. Describe the benefits of pointers with its declaration and initialization.
2. Explain structure within structure.
3. Describe the concept of unions.