

**Procedural Programming Lab 10****Date - 11 Dec 2017 - Viva**

|    |  |  |
|----|--|--|
| 1. | What is the output?  |  |
|    | <pre>int i=3, *j, k; j = &amp;i; printf("%d\n", i**j*i+*j);</pre>  | 30   |
| 2. | What is the output?  |  |
|    | <pre>int x=30, *y, *z; y=&amp;x; /* Assume address of x is 500 and integer is 4 byte size */ z=y; *y++=*z++; x++; printf("x=%d, y=%d, z=%d\n", x, y, z);</pre> | x=31, y=504, z=504   |
| 3  | What is the output?  |  |
|    | <pre>int ***r, **q, *p, i=8; p = &amp;i; q = &amp;p; r = &amp;q; printf("%d, %d, %d\n", *p, **q, ***r);</pre>  | 8 8 8  |
| 4  | What will be the output assuming that the array begins at the location 1002 and size of an integer is 4 bytes?   |  |
|    | <pre>int a[3][4] = { 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 }; printf("%u, %u, %u\n", a[0]+1, *(a[0]+1), *(*(a+0)+1));</pre>                                    | 1006, 2, 2   |
| 5  | Which of the following statements correct about k used in the below statement?   |  |
|    | <pre>char ****k;</pre>   |  |
|    | a. k is a a pointer to a pointer to a pointer to a char  | b. k is a pointer to a pointer to a pointer to a pointer to a char |
|    | c. k is a pointer to a char pointer  | d. k is a pointer to a pointer to a char                           |
| 6  | What would be the equivalent pointer expression for referring the array element a[i][j][k][l] - <b>*(*(a+i)+j)+k)+l)</b>                                       |  |
| 7  | What is the output?  |  |
|    | <pre>char str[] = "peace"; char *s = str; printf("%s\n", s++ +3);</pre>  | ce   |
| 8  | The operator used to get value at address stored in a pointer variable is _____. *   |  |
| 9  | If the size of integer is 4bytes, what will be the output  |  |
|    | <pre>int arr[] = {12, 13, 14, 15, 16}; printf("%d, %d, %d\n", sizeof(arr), sizeof(*arr), sizeof(arr[0]));</pre>  | 20 4 4   |
| 10 | Which is correct?  |  |
|    | <pre>a. char arr[10]; arr = "world";</pre>   | <pre>b. char *arr; arr="Hello";</pre>                              |