

## The LNM Institute of Information Technology

End Term Exam(CP) –2016

Time: 40 Minute

Course Code : CSE104

Max Marks: 20

Q1. Find the output of the following program segments (Show the workout in the Box given) [2.5X8]

<p>(a)</p> <pre> void main() {     int a[5] = {5, 10, 15, 20, 25};     int i, j, m;     i = ++a[0];     j = ++a[1] + a[2]++;     m = a[0] + a[2];     printf("%d, %d, %d", i, j, m); } </pre>	<p><b>Output: 6 , 26, 22</b></p>
<p>(b)</p> <pre> void fun(int ptr) {     ptr=50; } void main() {     int num=50;     int *pp=&amp;num;     fun(num);     printf("%d,%d", num, *pp); } </pre>	<p><b>Output: 50 , 50</b></p>
<p>(c)</p> <pre> #include &lt;stdio.h&gt; void main() {     char *s= "help";     char *p = s;     printf("%c\t%c", *(p + 3), s[1]); } </pre>	<p><b>Output: p , e</b></p>
<p>(d)</p> <pre> #include &lt;stdio.h&gt; void main() {     int ary[5] = {1, 2, 3, 4};     int *p = ary + 3;     printf("%d\n", p[1]); } </pre>	<p><b>Output: 0</b></p>

1.

```
#include <stdio.h>
main(){
int i,j,n,m;
i=0;
n=5;
m=10;
int table[10];
while (i<n){
for (j=0;j<m;j++){
table[j] = j+2;
if(n<m){
printf("Yes\n");
i++;
break;
j=j+3;
}
else printf("No\n");
}
}
}
```

**Output: Yes**

**Yes**

**Yes**

**Yes**

**Yes**

2.

```
#include <stdio.h>
main(){
int i,j,n,m;
i=0;
n=5;
m=10;
if(n<m){
if(m<n)
printf("Yes\n");
i++;
}
else
while(m>n)
printf("No\n");
printf("Value is %d\n",i);
}
```

**Output: Value is 1**

**3.**

```
#include <stdio.h>
int main(void){
int i,j;
for(i=0;i<i+1;i++){
for(j=i;j<i+1;j++){
while(i==j) printf("Hi\n");
break;
}
break;
}
}
```

**Output: Hi ( infinite times)**

**4.**

```
#include <stdio.h>
main(){
int a=1; int b=1;
int* p; int* q;
p = &a; q = &b;
if (p==q)
printf("%d\n",a-b);
else printf("%d\n",a+b);
}
```

**Output: 2**