54. What will be output if you will execute following program by gcc compiler in Linux?
```
#include<stdio.h>
int main()
{
enum
color{RED,BLUE,GREEN=-2,YELLOW,PINK};
printf("%d %d",BLUE,PINK);
return 0;
}
```
(A) 2 0    (B) 1 0
(C) 2 0    (D) 4 0

55. What will be output if you will execute following program by gcc compiler in Linux?
```
#include<stdio.h>
int main()
{
char c=127;
printf("%d",++c);
printf("  %d",++c);
return 0;
}
```
(A)    -128 -127
(B)    127 128
(C)    -128 -129
(D)    128 -127

56. What will be output of following program?
```
#include<stdio.h>
int main()
{
int i = 3;
int *j;
int **k;
j=&i;
k=&j;
printf("%u %u %d ",k,*k,**k);
return 0;
}
```
(A) Address, Address, 3
(B) Address, 3, 3
(C) 3, 3, 3
(D) Compilation error

57. What will be output of following program?
```
#include<stdio.h>
#include<string.h>
int main()
{
register a = 25;
int far *p;
p=&a;
printf("%d ",*p);
return 0;
}
```
(A) 25    (B) 4
(C) Address    (D) Compilation error

58. What will be output of following program?
```
#include<stdio.h>
int main()
{
int a = 10;
void *p = &a;
int *ptr = p;
printf("%u",*ptr);
return 0;
}
```
(A) 10    (B) Address
(C) 2    (D) Compilation error

59. What will be output of following program?
```
#include<stdio.h>
#include<string.h>
int main()
{
int a = 5,b = 10,c;
int *p = &a,*q = &b;
c = p - q;
printf("%d" , c);
return 0;
}
```
(A) 1    (B) 5
(C) -5    (D) Compilation error

60. What will be output of following program?
```
#include<stdio.h>
int main()
{
int * p , b;
b = sizeof(p);
printf("%d" , b);
return 0;
}
```
(A) 2    (B) 4
(C) 8    (D) Compilation error

**Question Paper Code : C**
**No. of questions : 60**
**Full Marks : 60**
**Time : 60 Minutes**

1. What will be output if you will compile and execute the following c code?
```c
void main()
{
int i=320;
char *ptr=(char *)&i;
 printf("%d",*ptr);
}
```
(A)   320         (B) 1
(C)   64          (D) Compiler error

2. What will be output if you will compile and execute the following c code?
```c
#define x 5+2
void main()
{
 int i;
i=x*x*x;
printf("%d",i);
}
```
(A)   343         (B) 27
(C)   133         (D) Compiler error

3. What will be output if you will compile and execute the following c code?
```c
void main()
{
char c=125;
c=c+10;
printf("%d",c);
}
```
(A)   135         (B) +INF
(C)   -121        (D) -8

4. What will be output if you will compile and execute the following c code?
```c
void main()
{
float a=5.2;
if(a==5.2)
printf("Equal");
else
if(a<5.2)
printf("Less than");
else
printf("Greater than");
}
```
(A)   Equal        (B) Less than
(C)   Greater than   (D) Compiler error

5. What will be output if you will compile and execute the following c code?
```c
void main()
{
int i=4,x;
x=++i + ++i + ++i;
printf("%d",x);
}
```
(A)   19           (B) 18
(C)   12           (D) Compiler error

6. What will be output if you will compile and execute the following c code?
```c
void main()
{
 int a=2;
if(a==2)
{
a=~a+2<<1;
printf("%d",a);
}
else
{
break;
}
}
```
(A)     It will print nothing.    (B) -3
(C)     -2
(D)     Compilation error

7. What will be output if you will compile and execute the following c code?
```c
void main()
{
int a=10;
printf("%d %d %d",a,a++,++a);
}
```
(A)   12 11 12      (B) 12 10 10
(C)   11 11 12      (D) 10 10 12

8. What will be output if you will compile and execute the following c code?
```c
void main()
{
char *str="Hello world";
printf("%d",printf("%s",str));
}
```
(A) 11Hello world    (B) 10Hello world
(C) Hello world10    (D) Hello world11

9. What will be output if you will compile and execute the following c code?
```c
#include "stdio.h"
#include "string.h"
void main()
{
char *str=NULL;
strcpy(str,"cquestionbank");
printf("%s",str);
}
```
(A) cquestionbank    (B) cquestionbank\0
(C) (null)           (D) Compiler error

10. What will be output if you will compile and execute the following c code?
```c
#include "stdio.h"
#include "string.h"
void main()
{
int i=0;
 for(;i<=2;)
```

46. What will be output of following c code?
```c
void main()
{
struct employee
{
unsigned id: 8;
unsigned sex:1;
unsigned age:7;
};
struct employee emp1={203,1,23};

printf("%d\t%d\t%d",emp1.id,emp1.sex,emp1.age);
}
```
(A)   203 1 23
(B)   203 23 1
(C)   1 23 203
(D)   1 203 23

47. What will be output of the following c program?
```c
#include<stdio.h>
int main()
{
int goto=5;
printf("%d",goto);
return 0;
}
```
(A)   5
(B)   **
(C)   **
(D)   Compilation error

48. What will be output of the following c program?
```c
#include<stdio.h>
int main()
{
int _=5;
int __=10;
int ___;
___=_+__;
printf("%i",___);
 return 0;
}
```
(A)   5
(B)   10
(C)   15
(D)   Compilation error

49. What will be output of the following c program?
```c
#include<stdio.h>
int main()
{
int class=150;
int public=25;
int private=30;
class = class >> private - public;
printf("%d",class);
return 0;
}
```

(A)   1
(B)   2
(C)   4
(D)   Compilation error

50. What will be output of the following c program?
```c
#include<stdio.h>
int main()
{
int abcdefghijklmnopqrstuvwxyz123456789=10;
int abcdefghijklmnopqrstuvwxyz123456=40;

printf("%d",abcdefghijklmnopqrstuvwxyz123456);
return 0;
}
```
(A)   10           (B) 40
(C)   50           (D) Compilation error

51. What will be output if you will execute following program by gcc compiler in Linux?
```c
#include<stdio.h>
int main()
{
int a=5,b=10,c=15,d=20;
printf("%d %d %d");
return 0;
}
```
(A) 5 10 15          (B) 10 15 20
(C) Garbage value (D) Compilation error

52. What will be output if you will execute following program by gcc compiler in Linux?
```c
#include<stdio.h>
int main()
{
 int i=5,j=5,y;
 int x=++i + ++i + ++i;
y=++j + ++j + ++j;
printf("%d %d %d %d",x,y,i,j);
return 0;
}
```
(A) 22 22 8 8        (B) 24 24 9 9
(C) 23 22 8 9        (D) Compilation error

53. What will be output if you will execute following program by gcc compiler in Linux?
```c
#include<stdio.h>
int main()
{
int near *p;
int far *q;
int huge *r;
printf("%d %d %d",sizeof(p),sizeof(q),sizeof(r));
return 0;
}
```
(A) 4 2 4            (B) 4 4 4
(C) 4 8 4            (D) Compilation error

38. What will be output when you will execute following c code?
```c
#include<stdio.h>
void main()
{
short num[3][2]={3,6,9,12,15,18};
printf("%d %d",*(num+1)[1],**(num+2));
}
```
(A) 12 18    (B) 18 18
(C) 15 15    (D) 12 15

39. What will be output when you will execute following c code?
```c
#include<stdio.h>
void main()
{
char *ptr="cquestionbank";
printf("%d",-3[ptr]);
}
```
(A) Garbage value    (B) -300
(C) -101    (D) Compilation error

40. What will be output when you will execute following c code?
```c
#include<stdio.h>
void main()
{
long myarr[2][4]={0l,1l,2l,3l,4l,5l,6l,7l};
printf("%ld\t",myarr[1][2]);
printf("%ld%ld\t",*(myarr[1]+3),3[myarr[1]]);
printf(" %ld%ld%ld\t",*(*(myarr+1)+2),*(1[myarr]+2),3[1[myarr]]);
}
```
(A) 5 66 776    (B) 6 77 667
(C) 6 66 776    (D) Compilation error

41. What will be the output?
```c
#include<stdio.h>
void main(){
int const X=0;
switch(5/4/3){
case X:  printf("Clinton");
break;
case X+1:printf("Gandhi");
break;
case X+2:printf("Gates");
break;
default: printf("Brown");
}
}
```
(A) Clinton    (B) Gandhi
(C) Gates    (D) Compilation error

42. What will be output when you will execute following c code?
```c
#include<stdio.h>
void main()
{
static int a=2,b=4,c=8;
static int *arr1[2]={&a,&b};
static int *arr2[2]={&b,&c};
int* (*arr[2])[2]={&arr1,&arr2};
printf("%d%d\t",*(*arr[0])[1], *(*(**(arr+1)+1)));
}
```
(A) 2 4    (B) 2 8
(C) 4 2    (D) 4 8

43. What will be output when you will execute following c code?
```c
#include<stdio.h>
typedef struct
{
char *name;
double salary;
}job;
void main()
{
static job a={"TCS",15000.0};
static job b={"IBM",25000.0};
static job c={"Google",35000.0};
int x=5;
job * arr[3]={&a,&b,&c};
printf("%s %f\t",(3,x>>5-4)[*arr]);
}

double myfun(double d)
{
d-=1;
return d;
}
```
(A)    TCS 15000.000000
(B)    IBM 25000.000000
(C)    Google 35000.000000
(D)    null 0.000000

44. What will be output when you will execute following c code?
```c
#include<stdio.h>
void main()
{
int a=5,b=10,c=15;
int *arr[3]={&a,&b,&c};
printf("%d",*arr[*arr[1]-8]);
}
```
(A)    5
(B)    10
(C)    15
(D)    Compilation error

45. What will be output when you will execute following c code?
```c
#include<stdio.h>
void main()
{
int arr[][3]={{1,2},{3,4,5},{5}};
printf("%d %d",arr[0][2],arr[1][2]);
}
```
(A) 3 5
(B)0 5
(C)0 5
(D)3 5

```c
printf(" %d",++i);
}
```
(A) 0 1 2    (B) 0 1 2 3
(C) 1 2 3    (D) Compiler error

11. What will be output if you will compile and execute the following c code?
```c
void main()
{
printf("%d",sizeof(5.2));
}
```
(A)    2    (B) 4
(C)    8    (D) 10

12. What will be output if you will compile and execute the following c code?
```c
#include "stdio.h"
#include "string.h"
void main()
{
char c='\08';
printf("%d",c);
}
```
(A)    56    (B) '8'
(C)    9    (D) null

13. What will be output if you will compile and execute the following c code?
```c
#define call(x,y) x##y
void main()
{
int x=5,y=10,xy=20;
printf("%d",xy+call(x,y));
}
```
(A)    35    (B) 510
(C)    15    (D) 40

14. What will be output if you will compile and execute the following c code?
```c
int * call();
void main()
{
int *ptr;
ptr=call();
printf("%d",*ptr);
}
int * call()
{
int a=25;
a++;
return &a;
}
```
(A)    25    (B) 26
(C)    Any address  (D) Garbage value

15. What will be output if you will compile and execute the following c code?
```c
void main()
{
int array[]={10,20,30,40};
printf("%d",-2[array]);
}
```
(A)    -60    (B) -30
(C)    60    (D) Garbage value

16. What will be output if you will compile and execute the following c code?
```c
void main()
{
int i=10;
static int x=i;
if(x==i)
printf("Equal");
else
if(x>i)
printf("Greater than");
else
printf("Less than");
}
```
(A) Equal    (B) Greater than
(C) Less than    (D) Compilation error

17. What will be output if you will compile and execute the following c code?
```c
#define max 5;
void main()
{
int i=0;
i=max++;
printf("%d",i++);
}
```
(A)    5    (B) 6
(C)    7    (D) compilation error

18. What will be output if you will compile and execute the following c code?
```c
void main()
{
double far* p,q;
printf("%d",sizeof(p)+sizeof q);
}
```
(A)    12    (B) 8
(C)    4    (D) Compiler error

19. What will be the output
```c
#include<stdio.h>
void main()
{
int a=5,b=6,c=11;
printf("%d %d %d",,b,c);
}
```
(A)Garbage value garbage value garbage value
(B) 6 11 garbage
(C)11 6 5
(D)Compiler error

20. What will be the output
```c
#include<stdio.h>
void main()
{
char *str="CQUESTIONBANK";
printf(str+9);
}
```

(A)CQESTIONBANK (B)CQUESTION
(C)BANK (D)Compiler error

21. What will be the output
```
#include<stdio.h>
void main()
{
printf("%d",printf("CQUESTIONBANK"));
}
```
(A)13CQUESTIONBANK
(B)CQUESTIONBANK13
(C)Garbage CQUESTIONBANK
(D)Compiler error

22. What will be the output
```
#include<stdio.h>
void main()
{
short int a=5;
printf("%d"+1,a);
}
```
(A)6 (B)51
(C)d (D)Compiler error

23. What is the output
```
#include<stdio.h>
void main()
{
int i=85;
printf("%p %Fp",i,i);
}
```
(A)85 85 (B)0x55 0.000000p
(C)0055 FFFF:0055 (D)Compiler error

24. What will be the output
```
#include<stdio.h>
static struct student
{
int a;
 int b;
 int c;
int d;
}s1={6,7,8,9},s2={4,3,2,1},s3;
void main()
{
s3=s1+s2;
printf("%d %d %d %d",s3.a,s3.b,s3.c,s3.d);
}
```
(A)6789 (B)4321
(C)10101010 (D)Compiler error

25. What will be the output
```
#include<stdio.h>
extern struct student
{
int a;
int b;
int c;
int d;
}s={6,7,8,9};
```

```
void main()
{
printf("%d %d %d %d",s.a,s.b,s.c,s.d);
}
```
(A)6 7 8 9 (B)9876
(C)0000 (D)Compiler error

26. What will be the output
```
struct marks{
int p:3;
 int c:3;
int m:2;
};
void main(){
struct marks s={2,-6,5};
printf("%d %d %d",s.p,s.c,s.m);
```
(a) 2 -6 5 (b) 2 -6 1
(c) 2 2 1 (d) Compiler error

27. What will be the output
```
#include<stdio.h>
struct student
{
int roll;
int cgpa;
int sgpa[8];
};
void main()
{
struct student s={12,8,7,2,5,9};
int *ptr;
ptr=(int *)&s;
printf("%d",*(ptr+3));
}
```
(A)8 (B)7
(C)2 (D)Compiler error

28. What will be output of following c code?
```
#include<stdio.h>
extern int x;
int main()
{
do{
do{
printf("%o",x);
}while(!-2);
}while(0);
return 0;
}
int x=8;
```
(A)10 (B)20
(C)8 (D)4

29. What will be output of following c code?
```
#include<stdio.h>
int main()
{
int i=2,j=2;
while(i+1?--i:j++)
```

```
printf("%d",i);
return 0;
}
```
A.  2 B. 4
C.  1 D. 3

30. What will be output of following c code?
```
#include<stdio.h>
int main()
{
int x=011,i;
for(i=0;i<x;i+=3)
{
printf("Start ");
continue;
printf("End");
}
return 0;
}
```
A. Start B. Start start
C. Start End D. Start Start Start

31. What will be output of following c code?
```
#include<stdio.h>
int main()
{
int i,j;
i=j=2,3;
while(--i&&j++)
printf("%d %d",i,j);
return 0;
}
```
A. 2 3 B. 3 2
C. 1 3 D. 4 3

32. What will be output of following c code?
```
#include<stdio.h>
int main()
{
static int i;
for(++i;++i;++i)
{
printf("%d ",i);
if(i==4) break;
}
return 0;
}
```
A. 1 2 3 4 B. 2 4
C. 1 2 3 D. 3 4

33. What will be output when you will execute following c code?
```
#include<stdio.h>
void main()
{
char arr[7]="Network";
printf("%s",arr);
}
```
(A) Network (B) N
(C) Garbage value (D) Compilation error

34. What will be output when you will execute following c code?
```
#include<stdio.h>
void main()
{
char arr[11]="The African Queen";
printf("%s",arr);
}
```
(A)    The African Queen
(B)    Garbage value
(C)    The African
(D)    Compilation error

35. What will be output when you will execute following c code?
```
#include<stdio.h>
void main()
{
int const SIZE=5;
int expr;
double value[SIZE]={2.0,4.0,6.0,8.0,10.0};
expr=1|2|3|4;
printf("%f",value[expr]);
}
```
(A) 2.000000 (B) 4.000000
(C) 8.000000 (D) None of the above
As array size can't be a constant

36. What will be output when you will execute following c code?
```
#include<stdio.h>
enum power
{
Dalai,
Vladimir=3,
Barack,
Hillary
};
void main()
{
float leader[Dalai+Hillary]={1.f,2.f,3.f,4.f,5.f};
enum power p=Barack;
printf("%0.f",leader[p>>1+1]);
}
```
(A) 1 (B) 2
(C) 3 (D) Compilation error

37. What will be output when you will execute following c code?
```
#include<stdio.h>
#define var 3
void main()
{
char *cricket[var+~0]={"clarke","kallis"};
char *ptr=cricket[1+~0];
printf("%c",*++ptr);
}
```
(A) a (B) r
(C) l (D) Compilation error