

1.

```
#include<stdio.h>
int main( void )
{
    int a[3][2] = {10, 20, 30, 40, 50}, r,c;
    for (r = 0; r < 3; r++)
        for (c = 0; c < 2; c++)
            printf("%d", a[r][c]);
    return 0;
}
```

A. 01020304050

B. 1020304050

C. 5040302010

D. 10203040500

Answer: D

2.

```
#include<stdio.h>
int main( void )
{
    int array[2][3];
    array[][]= {{1, 2, 3}, {4, 5, 6}};
    printf("%d\n", array[1][0]);
    return 0;
}
```

A. 4

B. Compile time error

C. 1

D. 2

Answer: B

3.

Consider address of mat as 3052555916

```
#include<stdio.h>
int main( void )
{
```

```

int mat[2][3] = {1, 2, 3, 4, 4, 3};
printf("%u, %u", mat+1, &mat+1);
return 0;
}

```

- A. 3052555916, 3052555928
 B. 3052555916, 3052555940
 C. 3052555916, 3052555916
 D. 3052555916, 3052555920

Answer: B

4.

```

#include<stdio.h>
int main( void )
{
    int a[2][2] = {10, 20, 30, 40}, r, c;
    int *p[] = {(int*)a, (int*)a+1, (int*)a+2};
    for(r=0; r<2; r++)
    {
        for(c=0; c<2; c++)
        {
            printf(" %d %d %d %d \n", (*(p+r)+c),
                (*(c+p)+r),
                (*(r+p)+c),
                (*(p+c)+r));
        }
    }
    return 0;
}

```

- A. 10,10,10,10
 20,20,20,20
 20,20,20,20
 30,30,30,30
 B. 10,10,10,10
 30,30,30,30
 20,20,20,20
 20,20,20,20



- C. 30,30,30,30
20,20,20,20
20,20,20,20
10,10,10,10
- D. 20,20,20,20
10,10,10,10
20,20,20,20
30,30,30,30

Answer: A

5.

```
#include<stdio.h>
void fun(int **pp);
int main(void)
{
    int arr[3][4]={{1,2,3,4},{4,3,2,8},{7,8,9,0}};

    int *ptr=NULL;
    ptr = &arr[0][0];
    fun(&ptr);

    return 0;
}
void fun(int **pp)
{
    printf("%d", **pp);
    return;
}
```

- A. 1
B. 2
C. 3
D. 4

Answer: A

6.

```
#include<stdio.h>
int main(void)
```

```
{  
    int a[][4] = {{1, 2},{4, 3, 2},{1, 3, 5, 6},{7}};  
    printf("%d",sizeof(a)/sizeof(a[1][2]));  
    return 0;  
}
```

- A. 64
- B. 16
- C. 10
- D. Complile time error

Answer: B

7.

```
#include<stdio.h>  
int main(void)  
{  
    char arr[3][9] = {"SunBeam", "Pune", "Karad"};  
    printf("%c - %s",**arr, *arr);  
    return 0;  
}
```

- A. P - Pune
- B. S - garbage value
- C. S - Sunbeam
- D. K - Karad

Answer: C

8.

```
#include<stdio.h>  
int main(void)  
{  
    char str[4][20]={ "PG-DAC", "PG-DESD", "PG-DMC",  
                     "PG-DBDA", "PreCat"};  
  
    char *p=(char *)str[3];  
    printf("%s",str[ ++p + str]);  
    return 0;  
}
```



- A. Compile time error
- B. PG-DBDA
- C. PG-DAC
- D. PreCat

Answer: A

9.

```
#include<stdio.h>
int main(void)
{
    char str[4][10]={"PG-DAC", "PG-DESD", "PG-DMC",
                    "PG-DBDA", "PreCat"};
    char *p=(char *)str[0];

    printf("%s-%c", (p+3)+*(p+1)-p[1],
              *(p+3)+*(p+1)-p[1]);
    return 0;
}
```

- A. PG-DAC P
- B. Compiler Error
- C. DAC D
- D. NULL 0

Answer: C

10.

```
#include<stdio.h>
int main(void)
{
    char str[5][100]={"PG-DAC", "PG-DESD", "PG-DMC",
                    "PG-DBDA", "PreCat"};
    printf("%d %d %d", sizeof(str), sizeof(str[1]),
           sizeof(str[1][1]));
    return 0;
}
```

- A. 500 100 1
- B. 5 100 1

C. 20 100 1

D. 34 100 1

Answer: A

11.

```
#include<stdio.h>
```

```
int main(void)
```

```
{
```

```
    char *str=NULL;
```

```
    str = "%s";
```

```
    printf(str, "Sunbeam\n");
```

```
    return 0;
```

```
}
```

A. %s

B. Compiler Error

C. %s "Sunbeam\n"

D. Sunbeam

Answer: D

12.

```
#include<stdio.h>
```

```
int main(int argc, char *argv[], char *env[])
```

```
{
```

```
    int i;
```

```
    for(i=1; i<argc; i++)
```

```
        printf("env[%d] %s\n",i, env[i]);
```

```
    return 0;
```

```
}
```

A. command-line arguments list

B. environment variables list

C. count of arguments

D. No output

Answer: D

13.

```
#include<stdio.h>
int main(int argc, char *argv[], char *env[])
{
    while (*argv != NULL)
        printf("%s\n", *(argv++));

    return 0;
}
```

- A. Segmentation fault
- B. It will give name of executable file name
- C. Compiler dependent
- D. No of above

Answer: B

14.If following program having name cmdline is run from the command line as

"./Demo1.out Aptitude English C DS OPPS Networking Operating System" then what would be the output?

```
#include<stdio.h>
int main(int argc, char *argv[], char *env[])
{
    int i;
    for(i=0; i<argc; i++)
        printf("%c", argv[i][0]);

    return 0;
}
```

- A. /AECDONOS
- B. .AECDONOS
- C. .AECDONO
- D. AECDONOS

Answer: B



15.

```
#include<stdio.h>
int main(int argc, char *argv[], char *env[])
{
    printf("%s\n", argv[argc]);
    return 0;
}
```

- A. NULL
- B. Exit value -1 (run time error)
- C. Depends on compiler
- D. File Name

Answer: B

16.

If following program having name cmdline is run from the command line as
"./cmdline.out August Feb June July" then what would be the output?

```
#include<stdio.h>
int main(int argc, char *argv[], char *env[])
{
    printf("%c", **++argv);

    return 0;
}
```

- A. u
- B. March
- C. A
- D. /

Answer: C