

1.

```
#include<stdio.h>
#define COL 3
#define ROW 2
int main( void )
{
    int arr[ROW][COL] = {11,22,33,44};
    int *ptr[] = {(int *)arr+2, (int *)arr+1, (int *)arr};
    printf("%d %d %d %d\n", ptr[0][1], (*(ptr + 1) + 0),
        *(ptr + 0)[2], *(ptr[1] + 1));

    return 0;
}
```

- A. 44 22 11 0
- B. 44 22 33 11
- C. 44 22 11 33
- D. 44 22 33 0
- E. 44 11 22 33

Answer: C

2.

```
#include<stdio.h>
int main(void)
{
    char arr[5][7] = {"DAC", "DITISS", "DMC", "DESD", "DBDA"};
    char(*ptr)[7] = arr;
    return 0;
}
```

In which of the following cases will the character 'I' be printed?

- A. printf("%c\n", \*( arr[1] + 3));
- B. printf("%c\n", ptr[1][1]);
- C. printf("%c\n", \*( arr[1] + 1));
- D. printf("%c\n", ptr[1][3]);
- E. All of Above

Answer: E

3.

```
#include<stdio.h>
void fun(int **p);
int main(void)
{
    int a[3][3] = {{1},{4,5},{7,8,9}};
    int *ptr_a = &a[1][0];

    printf(" %d ", *ptr_a);
    fun(&ptr_a);
    printf(" %d ", a[1][0]);

    ptr_a = &a[2][1];
    printf(" %d ", *ptr_a);

    fun(&ptr_a);
    printf(" %d \n", **a);

    return 0;
}
void fun(int **p)
{
    **p = **p+1;
    printf(" %d ", **p);
    return;
}
```

A. 4 5 5 8 9 1  
B. 4 4 5 8 9 1  
C. 4 5 4 8 8 1  
D. 4 4 5 8 9 1  
E. Error

Answer: A

4.

```
#include<stdio.h>
void funcion_print(const char s[][10])
{
    char *p=(char *)s[0];

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

    return;
}
int main(void)
{
    char str[6][10]={"PG-DITISS","PG-DBDA","PG-DESD",
                    "PG-DMC","PG-DAC","PreCat"};

    funcion_print(str);

    return 0;
}
```

- A. D-PG-DMC
- B. Compiler Error
- C. D-DITISS
- D. NULL 0
- E. P-PG-DMC

Answer: C

5.

If **following** program having name **cmdline** is run from the command line as  
**".\cmdline.exe PG-DAC PG-DMC PG-DITISS PG-DESD PG-DBDA"**  
then what would be the output?

```
#include<stdio.h>
int main(int argc, char *argv[])
{
    int i=0;
    while(*argv++)
    {
        printf("%s ",*argv++);
        argv--;
    }
    return 0;
}
```

- A. **cmdline** PG-DAC PG-DMC PG-DITISS PG-DESD PG-DBDA (null)
- B. PG-DAC PG-DMC PG-DITISS PG-DESD PG-DBDA
- C. PG-DAC PG-DMC PG-DITISS PG-DESD PG-DBDA (null)
- D. PG-DAC PG-DITISS PG-DBDA (null)
- E. **cmdline** PG-DAC PG-DMC PG-DITISS PG-DESD PG-DBDA

Answer: C