

1.

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

"/cmdline.out PG-DMC PG-DAC PG-DESD PG-DBDA PG-DITISS"
then what would be the output?

```
#include<stdio.h>
int main(int argc, char *argv[],char *envp[])
{
    argc--;
    while(argc)
    {
        printf("%c ", argv[argc--][4]);
    }
    return 0;
}
```

- A. M A E B I
- B. I B E A M
- C. D D D D D
- D. Compile time error

Answer : B

2.

```
#include<stdio.h>
int main(void)
{
    static char *s[] = { "PG-DAC" , "PG-DITISS" , "PG-DMC" ,
                        "PG-DBDA" , "PG-DESD" };

    char **ptr[] = {s+3, s+2, s+1, s};
    char ***p=NULL;

    p = ptr;
    p++;
    ++p;

    printf("%s", **p+3);

    return 0;
}
```

- A. DMC
- B. PG-DBDA
- C. PG-DESD
- D. DITISS
- E. PG-DITISS

Answer: D

3.

```
#include<stdio.h>
void fun(int **p);
int main(void)
{
    int a[3][3] = {{1,2,3},{4,5,6},{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 %d \n", *ptr_a, **a);

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

    return;
}
```

- A. 4 5 5 8 1
- B. 4 4 5 8 1
- C. 4 5 4 8 8
- D. 4 4 5 8 8

Answer: A

4.

```
#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

5.

If following program having name cmdline is run from the command line as
"cmdline" then what would be the output?

```
#include<stdio.h>
int main(int argc, char *argv[], char *envp[])
{
    int i;
    for(i=1; envp[i]!=NULL; i++)
        printf("\n%s", envp[i]);
    return 0;
}
```

- A. List of all environment variables
- B. List of all command-line arguments
- C. count of command-line arguments
- D. Error: cannot have more than two arguments in main()

Answer: A