

Q.1

```
#define COL 3
#define ROW 3
int main(void) {
    int arr[ROW][COL] = {{1,2,3},{1,2},{1}},i,j;
    for(i=0; i<3; i++)
        for(j=0; j<3; j++)
            printf("%d",arr[i][j]);
    return 0;
}
```

- A) Compile time error
- B) Run time error
- C) Prints array elements
- D) None of the above

Answer: A

* Column size is compulsory for 2-D array.

Q.2

```
int main(void) {
    int a[3][3] = {{1,2,3},{4,5,6},{7,8,9}};
    int *ptr_a = &a[1][0];
    int **ptr_ptr = &ptr_a;
    printf("%d %d %d\n", **ptr_ptr,*ptr_a, **a);
    return 0;
}
```

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

Answer: C

Q.3

```
int main(void) {
    char arr[4][8] = {"PG-DAC","PG-DESD","PG-DBDA"};
    printf("%c%s",**arr,* (arr+1)+1);
    return 0;
}
```

- A) PPG-DAC
- B) PPG-DESD
- C) PPG-DBDA
- D) PG-DESD

Answer: D

'P' --> %c -- **arr

"G-DESD" --> %s -- *(arr+1)+1

Q.4

```
int main(void) {
    char arr[4][10]={"Sunbeam","Karad","Pune","Hinjewadi"};
    char *ptr = (char*)arr[3];
    *ptr++;
    printf("%s %s\n",arr[ptr - arr[3]],--ptr);
    return 0;
}
```

- A. Sunbeam Hinjewadi
- B. Sunbeam Pune
- C. Compiler error
- D. None of the above

Answer: A

```
--ptr --> "Hinjewadi"  
ptr -> &arr[3]  
ptr - arr[3] = 0  
arr[0] = "Sunbeam"
```