

1.

```
#include<stdio.h>
int main( void )
{
    int a[5]={100,1,0,200,1};
    int i=2,j,m;
    i=a[i++]++;
    j=++a[++i];
    m=- -a[j--];
    printf( "%d,%d,%d,%d",i,j,m, *(a+i+j+m));
    return 0;
}
```

A. 0,0,0,199

B. 1,1,0,200

C. 1,1,1,1

D. 1,1,0,0

Answer: D

2.

```
#include<stdio.h>
int main( void )
{
    char* p=NULL;
    char buf[][10]={ "PG-DAC", "PG-DESD", "PG-DMC",
                    "PG-DBDA", "PreCat" };
    p=(buf+7)[-3];
    printf( "%s",p);
    return 0;
}
```

A. PG-DBDA

B. PreCat

C. Grabage Value

D. Error as array index cant be negative.

Answer: B

3.

```
#include<stdio.h>
int main( void )
{
    char arr[5][10]={"PG-DAC", "PG-DMC", "PG-DBDA",
                    "PG-DESD", "PreCat"};

    printf("%c",*arr[4]+2);
    printf("\t %s",&(*arr[4])+3);
    return 0;
}
```

- A. - DESD
- B. e Cat
- C. E DBDA
- D. R Cat

Answer: D

4.

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

- A. 30
- B. 10
- C. Compiler error
- D. -30

Answer: D

5. consider starting address of array is 1000 .

```
#include<stdio.h>
int main( void )
{
    int a[3]={10,20,30,40};
    printf("\n a=%u &a=%u &a[0]=%u",a, &a ,&a[0]);
    return 0;
}
```

1D Array and String

- A. 1000 1000 1000
- B. 1000 1004 1004
- C. 1016 1016 1016
- D. None of above

Answer: A

6.

```
#include<stdio.h>
int main( void )
{
    int arr[100],i=0;
    if(arr[0+i]==i[0+i+arr])
    {
        printf("Welcome to Sunbeam @ Karad ");
    }
    else
    {
        printf("Welcome to Sunbeam @ Pune ");
    }
    return 0;
}
```

- A. Compile time error
- B. Welcome to Sunbeam @ Karad
- C. Welcome to Sunbeam @ Pune
- D. Run time error

Answer: B

7.

```
#include<stdio.h>
int main( void )
{
    int a[5]={1,2,3,4,5}, i,j,m;
    i=a[1]++ + ++a[2] + ++a[3];
    j=a[2]++ + --a[3] - a[4]--;
    m=++a[j];
    printf("%d,%d,%d",i,j,m);
    return 0;
}
```

- A. 3,5,11
- B. 5,3,11
- C. 11,5,3
- D. 11,3,5

Answer: D

8.

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

```
int main( void )
```

```
{
```

```
    double arr[]={1.2 , 2.3 , 3.4 , 4.5 , 5.6};
```

```
    float size=(float)(sizeof(arr)+1)/(sizeof(arr[1]));
```

```
    printf("%.4f",size);
```

```
    return 0;
```

```
}
```

- A. 41.0000
- B. 5.0000
- C. 5.1250
- D. 0.0000

Answer: C

9.

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

```
int main( void )
```

```
{
```

```
    char name[] = "Sunbeam Pune";
```

```
    char *ptr = "Sunbeam Karad";
```

```
    printf("%d, %d, ", sizeof(name), sizeof(ptr));
```

```
    printf("%d, %d" , sizeof(*name), sizeof(*ptr));
```

```
    return 0;
```

```
}
```

- A. 13, 4, 1, 1
- B. 1 , 1, 4, 4
- C. 13, 1, 1, 1
- D. 13, 8, 1 ,1

Answer: A

10.

```
#include<stdio.h>
int main()
{
    char s[] = "Sunbeam";
    int i=0;
    char ch;
    ch = s[i++];
    printf("%c", ch);
    ch = s[++i];
    printf("%c", ch);
    ch = ++i[s];
    printf("%c", ch);
    ch = i++[s];
    printf("%c", ch);
    return 0;
}
```

- A. Snoo
- B. Soon
- C. Snoo
- D. Sono

Answer: A

11.

```
#include<stdio.h>
int main()
{
    char str1[] = "Sunbeam Pune and Karad";
    char str2[40];
    char *t=NULL, *s=NULL;
    s = str1;  t = str2;
    while(*t=*s)
        *t++ = *s++;
    printf("%s", str2);
    return 0;
}
```

1D Array and String



SUNBEAM
Exploring New Ideas Reaching New Heights

- A. Sunbeam
- B. Karad
- C. Sunbeam Pune and Karad
- D. infine loop

Answer: C

12.

```
#include<stdio.h>
int main()
{
    char str[] = "Sunbeam";
    printf("%s - %s", &str+3, str+3);
    return 0;
}
```

- A. Run time error
- B. Garbage Value - beam
- C. Sunbeam - beam
- D. Compile time error

Answer: B

13.

```
#include<stdio.h>
#include<string.h>
int main(void)
{
    char* str1 = "Sunbeam";
    char* str2= "Karad";
    char* str3=NULL;
    str3=strcat(str1, str2);
    printf("%s %s", str3, str1);
    return 0;
}
```

- A. SunbeamKarad
- B. It will terminates exit value -1
- C. NULL Sunbeam
- D. None of above

Answer: B

14. What will be output of following code on 64 bit Compiler.

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

- A. 8,5
- B. 40,8
- C. 40,6
- D. 40,5

Answer: C

15.

```
#include<stdio.h>
#include<string.h>
int main(void)
{
    char str[10] = "C#";
    strcpy(str+2, " Java");
    printf("%s", str);
    return 0;
}
```

- A. Java
- B. C#Java
- C. Garabge value
- D. C# Java

Answer: D



16.

Consider address of hellow as 4195764

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

```
#include<string.h>
```

```
int main(void)
```

```
{
```

```
    printf("%u %s", &"Hello", &"Hello");
```

```
    return 0;
```

```
}
```

A. 4195764 4195764

B. 4195764 Hello

C. 4195764 4195678

D. Hello 4195764

Answer: B