TEST-05

Intern Name: Max Marks: 100
Intern ID:

- Subjective answer should be brief and to the point.
- Maintain proper coding standards and indentation.
- Do not write anything on the question papers. Each question has 5 marks
- Explain each concept with example. Concept without example will not be given marks.

- Predict the output. Specify compile time/run time errors, if any.
- Assume base address appropriately.

1. How to print \n on the screen?
   a. printf("\n"); b. printf('\n'); c. printf("\ \n"); d. printf("/\"n);
2.
```
int main( )
{
        char str1[ ] = "dills";
        char str2[20];
        char str3[20] = "Daffo";
        int l;
        l = strcmp(strcat( str3, strcpy( str2, str1 ) ), "Daffodills" );
        printf(" l = %d\n", l);
}
```
3.
```
int main( )
{
        charstr[20];
        staticint i;
        for( ; ; )
        {
                i++[str] = 'A' + 2;
                if( i == 19 )
                        break;
        }
        i[str] = '\0';
        printf("%s\n", str );
}
```

4.
```
int main()
{
charstr[] = "peace";
char *s = str;
printf("%s\n", s++ +3);
}
```
5.
```
int main( )
{
        char a[ ]= "Able was I ere I saw elbA";
        char *s, *t, *b;
        s = a;
        b = a + strlen(a) – 1;
        t = b;
```

```
        while( s != t )
        {
                printf("%c", *s );
                s++;
                printf("%c",*t );
                t-- ;
        }
}
6. int main( )
{
        printf( 5 + "Fascimile" );
}
7. int main( )
{
        char str1[ ] = "RIT";
        char str2[ ] = " RIT";
        if( str1 == str2 )
                printf("Equal\n");
        else
                printf("Unequal\n");
}
8. int main( )
{
        charch = 'A';
        printf( " %d,,, %d", sizeof(ch), sizeof('A') );
}
9. int main( )
{
        char *s = "RITESHAM";
        char *t = " RIT";
        strcpy( t, s );
        printf("%s\n", t );
}
10. main( )
{
        static char *s[ ] = {"black", "white", "yellow", "violet" };
        char **ptr[ ] = { s + 3, s + 2, s  + 1, s}, ***p;
        p = ptr;
        **++p;
        printf( "%s", *--*++p + 3 );
}
11. #include<string.h>
    int main( )
    {
        char *s1 = " TARUN  ";
        char *s2 = " RITWIJ  ";
        char *s3 = " RITESHAM ";
        int a1, a2;
        a1 = strspn(s1, s3); a2 = strcspn(s1, s2);
        printf("%d,,%d", a1, a2);
    }
```

12. #include<string.h>

```
int main()
{
        char *ptr1 = NULL;
        char *ptr2 = 0;
        strcpy(ptr1," c");
        strcpy(ptr2,"questions");
        printf("\n%s %s",ptr1,ptr2);
}
```

13.
```
int main()
{
        char *p = "Hello";
        *p = 'h';
        printf("%s\n",p);
}
```

14.
```
int main( )
{
        char  a[100]  = " Ritesham";
        printf("%s\n",a);
        a = "RCT";
        printf("%s\n",a);
}
```

15.
```
int main( )
{
        char *a = " Ritesham ";
        printf("%s\n",a);
        a = "RCT";
        printf("%s\n",a);
```

16.
```
int main()
{
        Char a[10] = "I love my india";
        Printf("%s\n", ++a);
}
```

17.
```
int main()
{
        Char * a  = "Hi how are u?";
        Char b[10] = " I am fine";
        b = a;
        printf("%s\n",b);
}
```

18.
```
int main()
{
        int x;
        char a[5] = "ABC";
        char b[8] = "DEF ";
        x = strcmp(a,b);
        printf("x = %d\n",x);
}
```

19.
```
#include <stdio.h>
main()
{
charstr[]="S\065AB";
printf("\n%d", sizeof(str));
}
```

20. # include<stdio.h>

```
# define a 10
main()
{
        printf("%d..",a);
        fun();
        printf("%d",a);
        }
void fun()
{
        #undef a
        #define a 50
}
```

All the best