

Roll No. _____ To be filled in by the candidate

(For all sessions)

Computer Science (Essay Type)

Time: 2:10 Hours

Marks: 60

Section-I (MS-ACCESS)**2. Write short answers of any six parts from the following.**

2 x 6 =12

- i. Define Foreign key.
- ii. Who is the user or end user?
- iii. List two activities involved in Data Analysis.
- iv. Define an attribute. Give example.
- v. Define Homonym.
- vi. What is redundant information?
- vii. Write two benefits of using Access.
- viii. What is meant by RDBMS?
- ix. Write one difference between check boxes and radio buttons.

(C-Language)**3. Write short answers of any six parts from the following.**

2 x 6 =12

- i. How would you define preprocessor directives?
- ii. What is purpose of main function?
- iii. How would you differentiate between variable declaration and variable initialization?
- iv. What can you say about Expression?
- v. Trace the errors in the following code segment:

```
#include<stdio.h>
Void main ( ) {
    int a,b,c;
    a=10; b=20; c=30;
    print ("a=%d",a);
}
```

```
#include<stdio.>
Void main ( ) {
    int a=10
    print f ("A=%d",a);
}
```

- vii. How can you describe briefly the format specifier?
- viii. Determine the output of the following code segment.

```
m=m+10;
n=5*m;
Print f ("m=%d\n\t\t\t n=%d\n",m,n);
```

- ix. How would you demonstrate increment operator and assignment operator in C Statement?

4. Write short answers of any six parts from the following.

2 x 6 =12

- i. What is meant by conditional operator?
- ii. Define compound condition.
- iii. Write down output of following code.
- iv. Write output of following code.

```
int a=10;
int b=20;
if (a>b)
printf ("%d is greater", a);
else
printf ("%d is greater",b);
```

```
int a=1;
int k=1;
for (;a<=5;a++)
printf("%d\n",a+k);
```

- v. Define function body.
- vi. Write two types of functions.
- vii. Define function arguments.
- viii. What is meant by EOF marker?
- ix. Convert the following for loop statement into while loop.

```
int a;
int k=1;
for (a=1;a<=5; a++)
printf("%d\n",a+k);
```

Section -II (MS-ACCESS)

8x1=8

Note: Attempt only one question from the following.**5. What is DBMS? Discuss different advantages of Database Management Systems?**

08

6. What is query ? Write advantages of queries.

08

Section -III (C-language)

8x2=16

Note: Attempt any two question from the following.**7. Describe the characteristics of high level programming languages.**

08

8. Write a program that inputs a character and displays whether it is vowel or not using switch statement.

08

9. What is do-while loop? write down its syntax, draw flow chart and explain its working with example.

08