oll No. 262402 *To be filled in by the candidate*   (For all sessions) | Paper Code | 8 | 8 | 3 | 1 |

omputer Science (Objective Type)

RWP–12–19

ime: 20 Minutes   Marks: 15

ITE: Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each estion are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question n Marker or pen ink on the answer sheet provided.

MS-ACCESS

I. The logical grouping of characters is a:
(A) File (B) Record (C) Field (D) Database

2. A virtual table that is constructed from other tables is called:
(A) view (B) Table (C) Relation (D) Tuple

3. In an ER diagram, a diamond represents:
(A) Entity (B) Attribute (C) File (D) Relationship

.. Which form of dependency is removed in 3NF?
(A) Full Functional (B) Non-Functional (C) Transitive (D) Partial

5. The maximum number of tables in a database are:
(A) 01 (B) 02 (C) 03 (D) Many

6. In MS-Access, Find and replace command is found in:
(A) File menu (B) Edit menu (C) View menu (D) Tool

C-Language

7. Division by zero (e.g., 5/0) is an example of:
(A) Compiler error (B) Run time error (C) Syntax error (D) Logical error

8. Which of the following operators has lowest precedence?
(A) = (B) + (C) * (D) !

9. The escape sequence for backlash is:
(A) \t (B) \b (C) \a (D) \\

10. An if statement inside another if statement is called:
(A) if statement (B) if-else statement (C) Nested if statement (D) switch statement

11. When a relational expression is false, it has the value:
(A) 0 (B) 1 (C) -1 (D) 5

12. Which statement causes a loop to terminate early?
(A) End (B) terminate (C) break (D) exit

13. Which of the following is a loop statement in C?
(A) If-else-if (B) switch (C) if else (D) for

14. Global variables are created in:
(A) ROM (B) RAM (C) Cache (D) Hard disk

15. On successfully closing a file in C, the fclose( ) returns:
(A) 0 (zero) (B) NULL (C) 1(ONE) (D) File pointer

OR   Visual Basic

7. Which event detects the pressing of standard displayable character?
(A) Keyboard (B) Keypress (C) Click (D) Load

8. Which datatype is used to handle a Yes or No response?
(A) Boolean (B) Short (C) Integer (D) Date

9. The default message box style is:
(A) Retry cancel (B) Yes No Cancel (C) Yes No (D) Ok only

10. IF...END IF statement inside another IF statement is called:
(A) IF...END IF statement (B) IF...Then statement
(C) Nested IF statement (D) IF...ELSE...IF

11. The expression 15 MOD 4 has a value equal to:
(A) 3 (B) 5 (C) 7 (D) 9

12. The statement that will immediately terminate a FOR...NEXT loop is:
(A) EXIT (B) Terminate (C) Exit For (D) END

13. Which of the following is a loop statement in visual basic?
(A) IF...Then...Else (B) IF...ELSE (C) IF...END IF (D) FOR...NEXT

14. How many options can be selected if a frame contains four option buttons?
(A) 0 (B) 1 (C) 2 (D) 3

15. Data can be entered in a control only when it has:
(A) Focus (B) Mask (C) Event (D) Method

637-012-A-☆

Roll No. _____ To be filled in by the candidate | (For all sessions)

Computer Science (Essay Type)

Marks: 60

Time: 2:10 Hours

Section -I
MS-ACCESS

2 x 6 =12

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

I. List file names from usage point of view.

III. Define attribute with example.

v. Define data integrity.

vii. State the use of wild cards.

ix. Differentiate between data redundancy and data inconsistency.

II. Who is a data administrator?

iv. Why is Normalization used?

vi. Define form.

viii. What are check boxes?

C-Language

2 x 6 =12

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

I. Write the purpose of define directive.

III. What is the purpose of include directive?

v. What is compound condition? Give an example.

vii. Find errors

```
Include <stdio.h>
void main ( void )
{
int x=3
printf("%d",x);
}
```

ix. Write the use of printf( ) function with an example.

II. Why do you include "stdio.h" header file in c-program?

iv. Determine output of the code.

```
int x=15;
int y=5;
printf("%d \t %d",x%y,x/y);
```

vi. How an arithmatic overflow occurs?

viii. Determine the output of the following code.

```
int a=10;
int b=12;
int c;
c=a+b;
printf("c=%3d",--c);
```

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

2 x 6 =12

I. Determine the output

```
if (7%3==0)
printf ("Punjab");
else
printf ("Sindh");
```

III. Define compound statement.

v. Determine the output

```
int n=1;
do
{
printf ("%d \n",n);
n++;
} While (n<=5);
```

vii. Why is function used in program?

ix. Compare binary and text stream.

II. Find the error

```
void main ( )
{
Far (int n=1; n<=5, n++)
printf("%d",n);
}
```

iv. What is nested loop?

vi. Find the error

```
void main ( )
{
int y=10;
IFF (y==5)
printf("%d" y);
}
```

viii. Describe function definition.

OR   Visual Basic

. Write short answers of any six parts from the following.   2 x 6 =12

. What is program?   II. Which language translator is used in visual basic?

. How visual basic code is executed?   iv. Define the purpose of code window.

. What is difference between project and form. vi. Define event and method.

. Determine the output.   viii. Find errors in the code.

```
       DIM x As Integer                          DIM x As float
           x =7/3                                    x=3.5
           print x                                   x+x=7.0
```

. What is active-x control?

. Write short answers of any six parts from the following.   2 x 6 =12

. Define compound statement.   II. What is nested loop?

. Find the error   Iv. Determine the output

```
       Dim y=10; as integer                      Dim n=1 as Integer;
       IFF y=5 than                              do
       print y                                       print n
                                                     n=n+1
                                                 Loop  While n<=5
```

. Determine output   vi. Find the error

```
       If (7%3=0) then                           DIM n=1 as Integer
           print ("Punjab");                     For m=1 to 5
       else                                       print n
           print("Sindh");
```

. Why is function used in program?   viii. Describe function definition.

. Compare binary and text stream.

Section -II
MS-ACCESS

e; Attempt only one question from the following.   8x1=8

Define data modeling. Explain Ingredient of data modeling.   08

List down different data types in MS-Access. Discuss four data types.   08

Section -III

e: Attempt any two questions either from "C-language" or "Visual Basic".   8x2=16

C-language

Define data type and describe three types in detail.   08

Write a program in C language that Inputs a number and finds whether It is positive, negative or zero.   08

Define while loop and differentiate while and do-while loop in detail.   08

Visual Basic

Define data type and describe three types in detail.   08

Write a program in Visual basic that inputs a number and finds whether it is positive, negative or zero.   08

What is Do-While loop? Discuss flowchart, syntax and example of Do-While loop in detail.   08