

**PGDCA/MSCCS-02/MCA-102/CAWD**

December - Examination 2019

**MSCCS/PGDCA/CAWD/MCA I Year****Examination****Application Software and Web Designing****Paper - PGDCA/MSCCS-02/MCA-102/CAWD****Time : 3 Hours ]****[ Max. Marks :- 80**

**Note:** The question paper is divided into three sections A, B and C. Write answers as per given instructions.

**Section - A****8 × 2 = 16****(Very Short Answer Questions)**

**Note:** Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

1.
  - i. If cell A1 contains 10 and cell B2 contains 3, then mod(A1,B2) results \_\_\_\_\_.
  - ii. What is Macro?
  - iii. Merging of two columns result into a \_\_\_\_\_ column and splitting of a column results into \_\_\_\_\_ columns?
  - iv. In MS-Excel a formula must begin with \_\_\_\_\_.
  - v. What is Trojan horses?
  - vi. Differentiate with example between Char and Varchar2 data types.
  - vii. What is DBMS?
  - viii. What is data redundancy?

**Section - B****4 × 8 = 32****(Short Answer Questions)**

**Note:** Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 8 marks.

2. Describe the logical and physical data independences.
3. What is Relational Algebra? Explain project operation with example.
4. Write steps to create a form in MS Access.
5. If  $A = \{a,b,c,e\}$  and  $B = \{b,f,g\}$  then  $A \cap B = ?$  and  $A \cup B = ?$
6. Explain how IF function is used in MS-Excel.
7. Explain three types of list used in HTML.
8. Write steps to print hand outs of a PowerPoint presentation.
9. Write any two differences between XSL and CSS.

**Section - C****2 × 16 = 32****(Long Answer Questions)**

**Note:** Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 16 marks.

10. Explain hierarchical database model with example.
11. Create a FORM in HTML to input following information:

Name of student, email id and password

Enter Name of Student:

Enter email id:

Enter password:

12. Explain any five aggregate functions with example.
13. What is Join? Explain different types of joins.