4 (Sem–4) WD (E–COM)

2022

WEB DESIGNING

(E-Com Major)

Paper : 405

Full Marks : 80

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Choose the correct option : 1×10=10

   (a) In an E-R diagram an entity set is represented by a

      (i) rectangle

      (ii) ellipse

      (iii) diamond box

      (iv) circle.

(b) The term _____ is used to refer to a row.

    (i) Attribute

    (ii) Tuple

    (iii) Field

    (iv) Instance

(c) In existing table, ALTER TABLE statement is used to —

    (i) Add Columns

    (ii) Add Constraints

    (iii) Delete Columns

    (iv) All of the above.

(d) Which one is the lowest level database model ?

    (i) Physical level

    (ii) Logical level

    (iii) External level

    (iv) None of the above.

(e) From which tag descriptive list starts ?

    (i) <LL>

    (ii) <DD>

    (iii) <DL>

    (iv) <DS>

(f) HTML web pages can be read and rendered by _____ .

    (i) Compiler

    (ii) Server

    (iii) Web Browser

    (iv) Interpreter

(g) HTTP is _____ protocol.

    (i) application layer

    (ii) transport layer

    (iii) network layer

    (iv) None of the above

(h) WWW is based on which model ?

    (i)   Local-server

    (ii)   Client-server

    (iii) 3-tier

    (iv) None of the above.

(i) _____ JavaScript is also called client-side JavaScript.

    (i)   Microsoft

    (ii)   Navigator

    (iii) LiveWire

    (iv) Native

(j) What is the correct syntax of the declaration which defines the XML version ?

    (i)   <xml version = "A.0"/>

    (ii)   <?xml version = "A.0" ?>

    (iii) <?xml version = "A.0"/>

    (iv) None of the above.

2. Write short notes on :   2×5=10

    (a)   VBScript

    (b)   CSS

    (c)   XML

    (d)   ER diagram

    (e)   J2EE

3. Answer *any five* questions :   4×5=20

    (a)   What is derived attribute used in DBMS system ? Discuss with example.

    (b)   What is normalization ? Differentiate between first normal form and second normal form.

    (c)   Define the terms "Client pull" and "Server push" used in client-server architecture.

    (d)   What are the advantages of using XHTML rather than HTML ?

(e) Define web service. Give an example for real-time web service.

(f) Justify the role of XML in electronic data interchange.

4. Answer **any four** questions : 10×4=40

(a) What is SQL ? What are different types of SQL commands ? Give examples.

3+7=10

(b) Explain the difference between physical and logical data independence.

5+5=10

(c) What is VBScript ? Write a VBScript code to display prime numbers from 1 to 100.

3+7=10

(d) What is SVG ? Write the syntax for adding a circle in SVG for a web page.

5+5=10

(e) What is ASP ? What are the advantages of using ASP ?

4+6=10

(f) What are the differences between ASP and ASP.NET ? Write ASP code to display "World Wide Web".

5+5=10

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