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**Time allowed: 3 hours**

**Max marks: 100**

**Note: Attempt any five questions. All questions carry equal marks. Mobile phone & programmable calculators are not allowed.**

Q1. Briefly explain Database models.

Q2. a) Differentiate data and information.

b) Define the following terms.

i. Database

ii. Meta data

iii. Data dictionary

Q3. (a) Define “relationship” and explain various types of relations with examples and diagrams.

(b) What is attribute? Explain its types.

Q4. What is constraint? Explain Not Null, primary key and unique key constraints.

Q5. Explain following terms.

i. Referential integrity

ii. Anomalies and its types

iii. Strong and weak entity

iv. Composite key

Q6. a) What is ERD? Explain with the help of example.

b) What do you know by degree of relationship? Explain.

Q7. a) What clause is used to sort table data in descending order? Explain with example.

b) Differentiate “Commit” and “Roll back” statement.

Q8. Write short note on any two of the following.

a) Simple and complex view

b) Role and privilege

c) Round and truncate function

**Time allowed: 3 hours**

**Max marks: 50**

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Q.1: – Define MS Access? Explain the environment of MS Access with the help of Diagram.

Q.2: Define the following:

- i. Entity
- ii. Composite key
- iii. Referential integrity
- iv. One-to-one relationship

Q.3: Explain different data types available in MS Access.

Q.4: Write the steps:

- i. How to set primary key in a table.
- ii. How to add and delete record in a table.

Q.5: What is a join? Explain difference between relationships and join.

Q.6: Define form. Write the procedure, how to create form by wizard.

Q.7: What is data base security? Explain Different types of database security.

Q.8: Explain the following:

- i. Select query
- ii. Command button

**Khyber Pakhtunkhwa Board of Technical & Commerce Education Peshawar**  
**Diploma in Information Technology**  
**(Part -II)**  
**1st Term Examination 2022**  
**Paper: E-Commerce and Web Technology**

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**Time allowed: 3 hours**

**Max marks: 100**

**Note: Attempt any five questions by selecting at least one question from each part. All questions carry equal marks. Mobile phone and programmable calculator are not allowed.**

**Part -I**

Q.1: Attempt any two:

- (i) Define E-commerce along with an example and unique features in detail?
- (ii) Define B2B E-commerce? And explain that why B2B E-commerce is essential for Clients?
- (iii) Explain term public network and concept of www in detail?

Q.2: Define domain name? and explain the following in detail:

- i. .com                      ii. .edu                      iii. .sip
- iv. .net                      v. .mil

**Part-II**

Q.3: Define and explain the following HTML tags?

- 1. Horizontal Rule Tag
- 2. Typewriter Tag
- 3. Big Tag
- 4. Emphasis Tag
- 5. Citation Tag

Q.4: Write HTML program to show the use of "Submit" and "Reset" buttons with Boxes?

Q.5: Differentiate between HTML and XHTML by describing at least four Comparisons?

**Part-III**

Q.6: – Define "Meta Tag" in html along with an example?

Q.7: – Write down any five html "sniffing up text" tags with examples?

Q.8: Explain the following:

- i. XHTML
- ii. DHTML

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**Note: Attempt any five questions by selecting at least one question from each section. All questions carry equal marks. Mobile phone and programmable calculator are not allowed.**

**Section-A**

Q.1: Explain the colors in Photoshop?

Q.2: Briefly explain the following tools in Photoshop?

- |               |                |                      |
|---------------|----------------|----------------------|
| i) Blur Tool  | ii) Type Tool  | iii) Navigation Tool |
| iv) Zoom Tool | v) Eraser Tool |                      |

Q.3: What is Photoshop? Explain the layers in Photoshop?

**Section – B**

Q.4: What is Corel Draw? Explain its interface?

Q.5: Explain the following tools of Coral Draw

- (i) Pen Tool
- (ii) Knife Tool
- (iii) Crop Tool
- (iv) Transparency Tool

Q.6: Describe the options of Layout Menu of Coral Draw?

**Section – C**

Q.7: What are the uses of In-page? Explain its interface?

Q.8: How to do the following in Inpage?

- i) Object Rotation
- iii) Text run around object
- iiii) Duplicate an object
- iv) Select an object
- v) Insert Page number