GD-1009

PGDCA 2nd Semester
Examination, May-June 2023

PGDCA - 106

GUI — Programming in Visual Basic

Time : Three Hours]   [*Maximum Marks* : 100

Note : Answer any **two** parts from each question. All questions carry equal marks.

Unit-I

1. (a) What is IDE ? Explain the elements of IDE and describe any two mouse and keyboard events.

    (b) Write a program to check factorial of given number and use input box and MsgBox for input and output.

    (c) Write the number of any 10 controls of Visual Basic and write any two features of each control.

(2)

Unit-II

2. (a) Write a program to check the length of any given string.

(b) What are variables and constant? Describe by example.

(c) What is Conditional Statement? Explain any one with example.

Unit-III

3. (a) How many types of windows are available for handling errors?

(b) Explain any two types of error handling methods.

(c) Write short notes on the following:

   (i) Active X Control

   (ii) Errors and calling chain

Unit-IV

4. (a) Describe the features of sequential and Random access file.

(b) Write a program to enter 10 elements and display it.

(c) Write difference between DAO and RDO.

Unit-V

5. (*a*) Write short notes on the following :

   (*i*) MDI

   (*ii*) Date and Time Control

   (*b*) Explain the use of report and also describe types of report.

   (*c*) Explain any two advance tool.

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GD-1010

PGDCA 2nd Semester
Examination, May-June 2023

PGDCA - 107

Database Management System

Time : Three Hours]　　　[*Maximum Marks* : 100

Note : Answer any **two** parts from each question. All questions carry equal marks.

Unit-I

1. (a) What is the role of database administration ?

   (b) Write short notes on the following :

   (i) Data dictionary

   (ii) Data independence

   (c) Describe in detail data network model.

Unit-II

2. (a) Draw and explain E-R model for hospital management.

(b) Write short notes on the following :

(i) Key

(ii) Attributes

(c) Explain generalization in detail.

Unit-III

3. (a) Explain Relational Algebra.

(b) What is structure of relational database ? Explain.

(c) Explain domain relational calculus.

Unit-IV

4. (a) What is Normalization ? Explain.

(b) Differentiate between 3NF and BCNF.

(c) Write short notes on the following :

(i) Functional dependency

(ii) 2NF

Unit-V

5. (a) With suitable example explain insertion of rows in table.

(b) What is SQL? Explain the advantages of SQL.

(c) Differentiate between order by and group by command.

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GD-1011

PGDCA 2nd Semester
Examination, May-June 2023

PGDCA - 108

Essentials of E-Commerce and HTML

Time : Three Hours]　　　　[*Maximum Marks* : 100

Note : Answer any **two** parts from each question. All questions carry equal marks.

Unit-I

1. (*a*) Describe E-Commerce. Explain the impact of internet on traditional business.

   (*b*) Illustrate EDI and FEDI. Explain their benefits.

   (*c*) Describe E-Commerce in India.

Unit-II

2. (*a*) Describe the four primary security measures on Internet.

(b) Explain the type of E-Commerce.

(c) Write short notes on the following :

    (i) Firewall tunnels

    (ii) Digital signature

Unit-III

3. (a) Explain special elements of HTML.

    (b) What is hyperlink ? How is a hyperlink created ? Explain with example.

    (c) Explain the following tags :

        (i) <BASE>

        (ii) <ISINDEX>

        (iii) <link>

        (iv) <IMG>

Unit-IV

4. (a) Explain the insertion of images using the element of HTML tag with the help of an example.

    (b) Explain hypertext anchors in HTML.

    (c) Write a code to design a frame in a page.

Unit-V

5. (a) Categorize the concept of static and dynamic web pages.

(b) Explain DNS and hosting, promotion on website.

(c) Write short notes on the following :

(i) FTP

(ii) Search Engines

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