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P. G. D. C. M.

**101 : ELEMENTS OF INFORMATION TECHNOLOGY &
OFFICE AUTOMATION**

(Windows Operating Systems & MS Office)

(2013 Pattern) (Semester -I)

Time :3 Hours]   *[Max. Marks :50*

Instructions to the candidates:

    1)   *All questions are compulsory.*

    2)   *Figures to the right indicate full marks.*

    3)   *All questions carry equal marks.*

Q1) Answer the following (Any one):   **[10]**

    a)   What is binary arithmatic. Explain 1's & 2's complement in detail.

    b)   Define computer. Explain characteristics & histroy & generation of computer in detail.

Q2) Answer the following (Any one):   **[10]**

    a)   Differentiate between

        i)   Compiler & interpreter

        ii)   System & application software

    b)   What are the input types. Explain basic logic gates in detail.

Q3) Answer the following (Any one):   **[10]**

    a)   Explain File manage in detail.

    b)   What is formal documents. Explain any five functions of MSWord.

Q4) Answer the following (Any one): **[10]**

    a) What is the format of spreadsheet. Explain start , open, save & exit function of spreadsheet.

    b) What is data processing. Explain work of RAID & DVD in detail.

Q5) Write Short note (any two): **[10]**

    a) OS.

    b) ASCII & EBCDIC.

    c) Bar code scanner.

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P.G.D.C.M.

102 : PROGRAMMING USING VISUAL BASIC

(2013 Pattern) (Semester - I)

Time : 2½ Hours]   *[Max. Marks : 50*

Instructions to the candidates:

1) *All questions are compulsory.*
2) *Figures to the right indicate full marks.*

Q1) Explain important properties of following controls: **[10]**

    a)   Scroll Bar.

    b)   Picture Box.

    c)   Text box.

    d)   Form.

    e)   Command button.

Q2) Solve any two   **[10]**

    a)   Accept 15 numbers from the user and print maximum and minimum of them.

    b)   Take a textbox and three vertical scrollbar. Change the color of text box according to changing scrollbar.

    c)   Write a VB code to accept a string and check whether it is palindrome or not. (Without using function)

    d)   Write a VB function to print factorial of a given number.

Q3) What will happen (any 5)   **[10]**

    a)   If sorted property of combobox is true.

    b)   If shape property of shape is set to 2.

    c)   If top property label is 200.

    d)   If multiline property of textbox is false.

    e)   If windowstate property of label is true.

    f)   If Autosize property of label is true.

    g)   If cause validate property of text box control.

Q4) Explain the following (any two): **[10]**

    a)   Control Array.

    b)   Loops in Visual Basic.

    c)   Date functions (any four)

    d)   Event Driven Programming.

    e)   Common Dialog Box.

Q5) Solve any two from the following: **[10]**

    a)   Write a code to accept 15 numbers from the user and find number of odd and even number from them.

    b)   Design an interface in which take one TextBox and 1 Combobox. Fill the combobox with numbers from 1 to 10. Write a code to increase the font size of entered text in Textbox based on combobox.

    c)   Write a VB program to accept two strings. Find whether first string is present in second. Give appropriate message.

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P.G.D.C.M

103:INTRODUCTION TO C AND C++ LANGUAGE

(2013 Pattern) (Semester-I)

Time : 3 Hours]   *[Max.Marks:50*

Instructions to the candidates:

1) Q.No.1 and 5 are compulsory.

2) Solv any two questions from 2 to 4.

3) Figures to the right indicate full marks.

Q1) Write output of following programes with explanation.   **[10]**

    a)   #include<stdio.h>

       int main()

       {

       char ch;

       if(ch= printf(" ")).

       printf ("It matters\n");

       else

       printf("It doesn't matters\n");

       return 0;

       }

    b)   #include<stdio.h>

       Void main ( )

       {

          int i, j=9;

          for(; ;)

          printf("%d",j);

       }

Q2) Write a program in C to convert temperature from degree centigrade to Fahrenheit.   **[10]**

Q3) Differentiate between
    a)   Continue and break statements.   **[10]**
    b)   if..... else and switch case statements

Q4) Write a program in C++ to calculate sum of 5 subjects its average and find
    percentage   **[10]**

Q5) Short notes   **[20]**
    a)   Standard library string function: strlen( ), strcat( ), strcpy( ), strcmp().
    b)   Hybrid Inheritance with example in C++.
    c)   Constructors and destructors.
    d)   Call by value and call by reference in C.

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Total No. of Questions : 7]

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SEAT No. :

[Total No. of Pages : 1

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P. G. D. C. M.

WEB TECHNOLOGY

INCLUDING E-COMMERCE, HTML AND BASIC JAVA

(2013 Pattern) (Semester - II)

Time :3 Hours]　　　　　　　　　　　　　　　　　　　　　*[Max. Marks :50*

Instructions to the candidates:

　　1)　*Question No. 7 is compulsory.*

　　2)　*Solve any 3 from Q.Nos. 1 to 6*

　　3)　*Write your assumptions if any.*

Q1) What is WWW? What is HTML? Explain the following tags.　　　**[10]**

　　a)
　　　　　b)　<th>　　　c)　<body> d)　<hr>

Q2) Explain any four Java AWT Components.　　　　　　　　　　**[10]**

Q3) What is a package in Java? Explain with proper example.　　　**[10]**

Q4) What is Web Hosting? Describe steps of Web Hosting.　　　　**[10]**

Q5) Discuss Applet Life Cycle with the help of diagram.　　　　　**[10]**

Q6) What is E-Commerce? Explain types of payments in detail.　　**[10]**

Q7) Write short notes on (any four):　　　　　　　　　　　　　**[20]**

　　a)　Access Modifiers

　　b)　Abstract Class

　　c)　Layout Managers

　　d)　XML

　　e)　Packages

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P.G.D.C.M.

202 : SOFTWARE ENGINEERING

(2013 Pattern) (Semester - II)

Time : 3 Hours]   *[Max. Marks : 50*

Instructions to the candidates:

1) *All questions are compulsory.*
2) *Figures to the right indicate full marks.*

Q1) Attempt the following (any one)   **[10]**

     a)   Explain various steps of system development life cycle.

     b)   For payroll processing system for small scale industry draw

         i)   E-R diagram

         ii)   Database Design

Q2) Attempt the following (Any one)   **[10]**

     a)   What are the skills that on Analyst should process? Explain.

     b)   Draw context level diagram for Bank Fixed Deposite system & design format of Fixed Deposite Receipt.

Q3) Attempt the following (Any one)   **[10]**

     a)   Explain waterfall model in detail.

     b)   Design data entry screen for admission form for PGDCM admission in college.

Q4) Attempt the following (Any One)   **[10]**

     a)   Explain decision Tree, Decision Table in detail.

     b)   Explain normalizaiton with its types in detail.

Q5) Write short notes on (Any Two)   **[10]**

     a)   4GL.

     b)   Pseudo code.

     c)   DFD components.

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SEAT No :

[**Total No. of Pages : 2**

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P.G.D.C.M

203: DATA BASE MANAGEMENT SYSTEM & ORACLE
(2013 Pattern) (Semester-II)

Time : 3 Hours]   *[Max.Marks:50*
Instructions to the candidates:
  1)   Question 1 is compulsory.
  2)   Attempt any Three from Question 2. to Question 6.

Q1) Cust (cust-id, iname, fname, area, ph-no).   [20]
       Movie (mv-no, title, type, price)
       Invoice (inv-no, mv-no, cust-id, issue-date, return-date)

       Write SQL Queries for following:
       a)   Create table with proper constraints.
       b)   List the customer names who have issued comedy type movies
             before August 2003.
       c)   Select the title, cust id, mv-no for all movies that are issued.
       d)   List all customer who have returned the movies between jan04 to
             today.
       e)   List the details of movie which are issued by customer but not
             return yet.
       f)   Find the total number of customer who have issued suspense type
             movie in the month of feb 2016

Q2) a)   Explain different datatypes in Ms-Access   [6]
       b)   Compare HDB Vs NDB.   [4]

Q3) a)   Explain ER Model with example.   [6]
       b)   Describe architecture of DBMS.   [4]

Q4) a)   Explain joins in Oracle.   [6]
       b)   Explain characteristics of DBMS.   [4]

Q5) a) Explain INF, 2NF and 3NF with example. [6]
   b) Explain any four operators in Oracle [4]

Q6) Write a short note on- (Any Two) [2*5=10]
   a) Date Functions
   b) CODD'S Rule
   c) Anomalies

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