

Total No. of Questions : 5]

SEAT No. :

P3303

[5278]-101

[Total No. of Pages : 2

P.G.D.C.M.

**101 - ELEMENTS OF INFORMATION TECHNOLOGY AND
OFFICE AUTOMATION**

(Windows Operating System & 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.*

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

- a) Explain various Text functions used MS-Excel with example.
- b) Define data & information. Explain various types of data processing.

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

- a) Define Software. Explain Application software with Examples.
- b) Define computer. Explain block diagram of computer.

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

- a) Explain AND, OR, NOT logical gates.
- b) Explain various Microsoft outlook function & features.

P.T.O.

Q4) Answer the following (Any One):

[10]

- a) Define binary system. Explain 1's and 2's complement with example.
- b) Define GUI. Explain Features of good GUI with Examples.

Q5) Write short notes on (any Two):

[10]

- a) Compiler
- b) OCR
- c) Primary Memory.



Total No. of Questions : 5]

SEAT No. :

P3304

[5278]-102

[Total No. of Pages : 2

P.G. D.C.M.

**102 : PROGRAMMING USING VISUAL BASIC
(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) Give illustration wherever necessary.*

Q1) Explain the following property settings. (Any Five):

[10]

- a) Property to set path property of DIR List Box.
- b) Property to set Font size using Common Dialog Box.
- c) To Status Bar for your program.
- d) To change the title of a Form.
- e) To resize Image Control.
- f) Property used to set Value of Check Box.
- g) Property used to set Special Password Character of Text Box.

Q2) Answer the following. (Any Four):

[10]

- a) Compare ADO and ADODC Controls.
- b) What is a Menu? How to create Menus using Menu Editor?
- c) Describe data types used in VB.
- d) Explain Message Box with syntax and example.
- e) What are Control Arrays? Explain with suitable example.

P.T.O.

Q3) Answer the following. (Any Two):

[10]

- a) Write a Menu Driven Program in VB for calculating:
 - i) Area of Circle
 - ii) Area of Rectangle
- b) Write a VB program to display even numbers from an Array.
- c) Write a VB program to concatenate two strings.
- d) Write a VB program to display age in year, month and days.

Q4) Answer in brief. (Any Two):

[10]

- a) Explain any two Looping Structure used in VB with syntax and example.
- b) Write a program to accept the details of customer from user and store that details into the database. (Don't use standard control). Customer having fields custid, custname, custaddress.
- c) Discuss various Events related with Mouse and keyboard.

Q5) Short notes. (Any Two):

[10]

- a) Predefined Dialog Boxes.
- b) Progress Bar.
- c) GUI (Graphical User Interface).



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SEAT No. :

P3305

[5278]-103

[Total No. of Pages : 2

P.G.D.C.M.

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) *Solve any two questions from 2 to 4.*
- 3) *Figures to the right indicate full marks.*

Q1) Write output of following programs with explanation.

[10]

```
#include<stdio.h>
#include<conio.h>
void main()
{
int i,j;
clrscr();
for (i = 1; i <= 4; i ++ )
{
for (j = i; j <= 5; j ++ )
{
printf ("%d",j);
}
}
printf ("\n Good Job");
getch();
}
```

Q2) Explain function overloading in C++ with example.

[10]

P.T.O.

Q3) Write a program in C++ to calculate the factorial of any integer number entered through the keyboard. **[10]**

Q4) Write a C program to reverse a number entered by through keyboard. **[10]**

Q5) Write Short Notes on (Any four): **[20]**

- a) Looping statements in C.
- b) Friend functions in C++
- c) Recursion in C.
- d) Arrays in C.
- e) Data types in C.



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SEAT No. :

P3306

[5278]-201

[Total No. of Pages : 2

P.G.D.C.M.

**201 - WEB TECHNOLOGY INCLUDING E-COMMERCE, HTML
AND BASIC JAVA**

(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) Answer the following (Any One):

- a) Write an HTML code that will display a table of students name, roll number, total mark. **[10]**
- b) What are the different form tags in HTML? **[10]**

Q2) Answer the following (Any One):

- a) Explain any four Java AWT Components. **[10]**
- b) What is a package in Java? Explain with proper example. **[10]**

Q3) Answer the following (Any One):

- a) What is Web Hosting? Describe steps of Web Hosting. **[10]**
- b) What is E-Commerce? Explain types of payments in detail. **[10]**

P.T.O.

Q4) Answer the following (Any One):

a) Explain the features of Java Script. **[10]**

b) How can you incorporate Java Script into an HTML page? Write an Example. **[10]**

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

a) Access Modifiers.

b) Layout Managers.

c) Packages.



Total No. of Questions : 5]

SEAT No. :

P3307

[5278]-202

[Total No. of Pages : 2

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 indicates full marks.*

Q1) Attempt any one.

[10]

- a) Surya University has computerized its examination system which includes procedure of receiving examination form Filled by the students from different institutes and validate them. Also sending time-tables & admit cards to different institutes which are examination centres. It also includes entering marks after assessment of answersheets & printing on marksheets.
 - i) Draw context Level DFD
 - ii) Draw E-R Diagram
- b) Explain spiral and prototyping model with suitable diagram.

Q2) Attempt any one.

[10]

- a) Design Web Based GUI form for entering registration details for all over India centralized entrance examination of MBA course.
- b) Explain role of system analyst in detail.

P.T.O.

Q3) Attempt any one.

[10]

- a) Draw DFD and E-R diagram for Library management system.
- b) Explain fact finding techniques in detail.

Q4) Attempt any one.

[10]

- a) Explain Decision Tree & Decision Table in brief.
- b) Explain Normalization with its types.

Q5) Write short notes on (any Two):

[10]

- a) System Flow charts.
- b) Pseudo code.
- c) DFD components.



Total No. of Questions : 6]

SEAT No. :

P3308

[5278]-203

[Total No. of Pages : 2

P.G.D.C.M.

203 - DATABASE MANAGEMENT SYSTEM & ORACLE

(2013 Pattern) (Semester - II)

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) *Q. No. 1 and Q. No. 6 are compulsory.*
- 2) *Attempt any two from remaining.*

Q1) A company leases various types of vehicles, identified by a VIN and having a gross vehicle weight (GVW). Trucks have a load capacity and a length. Cars have a seating capacity Individuals (name, driver license) leasing one of the company's vehicle does so far for a specific period of time. Draw an Entity Relationship diagram for the above database. **[10]**

Q2) a) Explain different datatypes in MS-access with ex. **[8]**

b) Compare HDB Vs NDB Vs RDB. **[7]**

Q3) a) Explain different constraints used while table design. **[8]**

b) Explain 3-tier architecture of DBMS. **[7]**

Q4) a) Explain different joins in oracle with example. **[8]**

b) Describe advantages & limitations of DBMS. **[7]**

P.T.O.

Q5) a) What is Normalization? What are benefits of Normalization. **[8]**

b) Explain SET operators in oracle. **[7]**

Q6) Write a short note on (Any Two): **[10]**

a) Date Functions.

b) CODD's Rule.

c) Cursor in oracle.

