

Total No. of Questions :5]

SEAT No. :

P4048

[5378]-101

[Total No. of Pages : 1

P. G . D. C. M.

**101-Elements of Information Technology and Office Automation
(Windows Operating System and MS office)
(2013 Pattern) (Semester-I)**

Time :3Hours]

[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) Draw & explain block diagram of computer in brief.
- b) Explain AND & NOT logical gates.

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

- a) Explain various functions & features of microsoft Excel.
- b) Explain Difference between compiler & interpreter

Q3) Answer the following (any one)

- a) Explain any five functions Microsoft word. [10]
- b) Explain Batch & online processing with example.

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

- a) Define binary system? Explain 1's & 2's complement with example.
- b) Define Software. Explain system software with Examples.

Q5) Write short notes on (Any two) [10]

- a) Secondary Memory
- b) Bar code scanner.
- c) Status Bar.



Total No. of Questions : 5]

SEAT No. :

P4892

[Total No. of Pages : 2

[5378]-102

PGDCM

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.*

Q1) Explain the properties of controls (Any Five)

[10]

- a) Command Button
- b) List Box
- c) Timer
- d) Shape
- e) Drive List Box
- f) Picture Box

Q2) Give Differences (Any Two)

[10]

- a) Image and Picture box controls
- b) Listbox and Combo Box
- c) Label and Text Box

Q3) Solve (Any Two)

[10]

- a) Program to accept an integer and find the sum of its digits.
- b) Write a program to find the sum of the first 1000 prime numbers.
- c) Program to search occurrence of character in String.

P.T.O.

Q4) Explain the following (Any Two)

[10]

- a) Date Function
- b) Data Type in VB
- c) Common Dialog Box
- d) Event Driven Programming

Q5) Solve (Any Two)

[10]

- a) What is Menu? How do we create Menus using Menu editor?
- b) Explain Message Box and Input Box with syntax and example.
- c) Explain any 5 String functions with example.



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SEAT No. :

P4049

[5378]-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<iostream.h>
#include<conio.h>
void main()
{
clrscr();
char s[]="Ganesh";
int i;
for(i=0;s[i];i++)
cout<<"\n"<<s[i++]<<*(s+i++)<<*(i+s)<<i[s];
getch();
}
```

Q2) Explain Friend functions in C++ with example.

[10]

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 string entered through keyboard.

[10]

P.T.O.

Q5) Write short notes : (any four)

[20]

- a) Recursion in C.
- b) Arrays in C.
- c) Data types in C.
- d) Function overloading in C++.
- e) Loop statements in C.



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SEAT No. :

P4051

[5378]-202

[Total No. of Pages : 1

P.G.D.C.M.

**202 : SOFTWARE ENGINEERING
(2013 Pattern) (Semester - II)**

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates:

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

Q1) Attempt any one from following: **[10]**

- a) Explain various steps of SDLC.
- b) For Payroll processing system for large scale industry draw.
 - i) E-R Diagram
 - ii) Database Design

Q2) Attempt any one: **[10]**

- a) Explain skills that an analyst should possess.
- b) Draw Context Level diagram for opening saving account & Bank Fixed Deposite System. Draw format of Fixed Deposits Reciept.

Q3) Attempt any one: **[10]**

- a) Explain spiral model with diagram.
- b) Design a Data Entry Screen for admission of MBA institute.

Q4) Explain any one: **[10]**

- a) Explain Decision Tree & Decision Table with example.
- b) What is normalization? Explain it types in detail.

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

- a) 4GL.
- b) Pseudo code & structured English.
- c) Data Flow Diagram Components.



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SEAT No. :

P4052

[5378]-203

[Total No. of Pages : 1

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) *Que. 1 and Que. 6 are compulsory.*
- 2) *Attempt any two from remaining.*

Q1) Persons described by their name and address, subscribe to various journals. Each Journal identified by ISBN and title, has a set of numbered volumes and each of these has a set numbered issues. Subscribers have an initial subscription date and termination date for each Journal. Draw an ERD for the above database. **[10]**

Q2) a) What are advantages and disadvantages of Normalization? **[8]**
b) What is RDBMS? Explain the concept of domain, tuple and cardinality. **[7]**

Q3) a) Explain set operators in Oracle. **[8]**
b) Describe architecture of DBMS. **[7]**

Q4) a) Explain different database modelling techniques. **[8]**
b) Explain DDL commands with example. **[7]**

Q5) a) Explain any five CODD's rule. **[8]**
b) Describe the usage of MS-Access. **[7]**

Q6) Write a short note on : (any two) **[10]**
a) Software modules in DBMS.
b) Conversion function.
c) Anamolies.

