

Total No. of Questions : 6]

SEAT No. :

P4287

[Total No. of Pages : 1

[5378]-11

P.G.D.C.M. (Semester - I)

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

**(Window Operating Systems and M.S. Office)**

**(2008 Pattern)**

*Time : 3 Hours]*

*[Max. Marks : 70*

*Instructions to the candidates:*

- 1) *Solve Any Five Questions.*
- 2) *Figures to right indicate full marks.*

**Q1)** a) Explain in brief generations of computer. [7]

b) What is computer? Draw & Explain block diagram of computer. [7]

**Q2)** a) What is software? Explain Application software with Examples. [7]

b) Discuss laser and dot matrix printers. [7]

**Q3)** a) Explain AND & NOT logical gates. [7]

b) Explain Batch & Real time processing with example. [7]

**Q4)** a) Explain any five functions Microsoft Word. [7]

b) Explain any five Text functions in MS-Excel. [7]

**Q5)** a) Differentiate between compiler and interpreter. [7]

b) Explain MS-outlook as personal information manager. [7]

**Q6)** Write short notes (Any Two) [7+7=14]

a) MICR & OCR

b) Importance of GUI

c) Status Bar & Menu Bar



Total No. of Questions :4]

SEAT No. :

**P4043**

**[5378]-12**

[Total No. of Pages : 2

**P.G.D.C.M.**

**102 : PROGRAMMING USING VISUAL BASIC  
(2008 Pattern) (Semester-I)**

*Time : 3 Hours]*

*[Max. Marks : 70*

*Instructions to the candidates:*

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

**Q1)** Give output for following section of code and explain (Any 4) **[20]**

- a) `dim s As string`  
`s = StrConv("this is it yug", vbProperCase)`  
`print s`
- b) `num=53`  
`Select Case num`  
`Case 52, 51, 56 To 60`  
`print "Hello"`  
`Case 55, 38, 70`  
`print "mcm"`  
`Case Else`  
`print "nothing is printed"`  
`End Select`
- c) `print fix(-78.9)`  
`print IsNumeric("a90")`  
`print round(123.63,1)`  
`print sqr(121)`  
`print sgn(99.76)`

**P.T.O.**

- d) `dim st As String`  
`st = "Plant Tree More"`  
`print Right(st,4)`  
`print Len(st)`  
`print InStr(st, "t")`  
`print Format(45780, "$###.00")`
- e) `dim d as Date, a`  
`d = DateSerial(2013, 11, 7)`  
`print d`  
`d = Date Add ("Q", 2, d)`  
`print d`  
`a = DatePart("m", d)`  
`print a`

**Q2)** Design an interface and write a sectional code for the following (Any 4):**[20]**

- a) Using Common Dialog Box, select color and font Dialog box. Change font name and color of the textbox.
- b) Take 3 option buttons for the selection of decimal, hexadecimal and octal value. Change the value of textbox as the user selects any one of the option button.
- c) Accept 10 numbers and print multiples of 5 from them (use array).
- d) Print the first 20 prime numbers.
- e) Take a combobox and fill it with color names. Change the background color of form as you select any color from combobox.

**Q3)** Write short note (Any 4) : **[20]**

- a) Explicit and Implicit declaration of a variable.
- b) Do until and for each loop in VB.
- c) Concept of Control Array.
- d) User Defined Data type
- e) Checkbox and Listbox

**Q4)** Answer the following (Any 1) : **[10]**

- a) Explain the various dialog boxes of common dialog box.
- b) Explain the concept of IDE in Visual Basic.



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SEAT No. :

**P4044**

**[5378]-13**

[Total No. of Pages : 2

**P.G.D.C.M.**

**INTRODUCTION TO C AND C++ LANGUAGE  
(2008 Pattern) (Semester - I)**

*Time : 3Hours]*

*[Max. Marks : 70*

*Instructions to the candidates:*

- 1) *Question Nos.1 and 7 are compulsory.*
- 2) *Write any four from Q. Nos. 2 to 6.*

**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);
}
}
getch();
}
```

**Q2)** Write a C++ program that will accept 10 numbers in array and will print array in ascending order.

**[10]**

**P.T.O.**

**Q3)** Write a C function that will accept a number from user and print binary equivalent of that number. **[10]**

**Q4)** Write a C Program that will print all Armstrong numbers between 1 to 500.**[10]**

**Q5)** Write a program in C++ to accept a digit and display it in words.[e.g.3 three]. **[10]**

**Q6)** Explain constructors and destructors in C++. **[10]**

**Q7)** Write Short Notes (any two): **[20]**

- a) Inline and Friend Functions in C++ With example.
- b) Loop statements in C.
- c) Operators in C.



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SEAT No. :

**P4045**

**[5378]-21**

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**P. G. D. C. M.**

**WEB TECHNOLOGY INCLUDING E-COMMERCE,  
HTML AND BASIC JAVA  
(NEW) (2008 Pattern) (Semester-II)**

*Time :3Hours]*

*[Max. Marks :70*

*Instructions to the candidates:*

- 1) *Question No.7 is compulsory.*
- 2) *Solve any Five from Q. No. 1 to 6.*
- 3) *Write your assumptions if any.*

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

- a) <head>      b) <div>      c) <body>      d) <span>

**Q2)** Write a java program to print the following pattern: **[10]**

```
1 1 1 1 1
2 2 2 2
3 3 3
4 4
5
```

**Q3)** What is JavaScript? What are the different types of Scripting Languages? **[10]**

**Q4)** Write a Java code to design a class Employee with method calculate salary. **[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) Web hosting
- b) Abstract Class
- c) Digital Signature
- d) XML
- e) Packages



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SEAT No. :

**P4046**

**[5378]-22**

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**P.G.D.C.M. (Mgt. Faculty)**  
**202 : SOFTWARE ENGINEERING**  
**(2008 Pattern) (Semester-II)**

*Time : 3 Hours]*

*[Max. Marks : 70*

*Instructions to the candidates:*

- 1) Solve any five questions.*
- 2) Figures to the right indicate full marks.*

**Q1)** Design a GUI form for providing student feedback for Teaching faculty and infrastructure facilities of an institute. **[14]**

**Q2)** Explain fact finding techniques in detail. **[14]**

**Q3)** Explain Waterfall model with suitable diagram. **[14]**

**Q4)** Explain Decision Tree and Decision table with example. **[14]**

**Q5)** Design Data Entry screen for admission form for MCA college. **[14]**

**Q6)** Draw first level DFD for ABC Bank fixed deposit system with opening of savings account. Design format of fixed deposit receipt. **[14]**

**Q7)** Write short notes on (Any Two) : **[14]**

- a) Mapping of E-R model with database
- b) Role of System Analyst
- c) Spiral model



Total No. of Questions : 6]

SEAT No. :

**P4047**

**[5378]-23**

[Total No. of Pages : 2

**P.G.D.C.M.**

**203-DATABASE MANAGEMENT SYSTEM & ORACLE  
(2008 Pattern) (Semester - II)**

*Time : 3 Hours]*

*[Max. Marks : 70*

*Instructions to the candidates:*

- 1) *Question 1 and Question 6 are compulsory.*
- 2) *Attempt any THREE from Question 2 To Question 5.*

**Q1) Student (sid, sname, course, class) [15]**

Assign ( pid, sid, guidenm)

Project (pid, pname, startdate, enddate)

Write SQL Queries for following:

- a) List the students of class I year.
- b) Display the projects in the year 2016.
- c) Display all students work under the guide “Prof. Sharma”.
- d) Display the details of project titles guided by “Prof. Aman”.
- e) Find the total number of students working on project “Inventory System”.

**Q2) a) Explain different data types in Ms-Access. [8]**

b) Describe the constraints used in table design. [7]

**Q3) a) Explain ER Model with example. [8]**

b) Explain DCL with suitable examples. [7]

**Q4) a) Write a PL/SQL block which will print first 5 highest earners from empl table. [8]**

b) What are the advantages of DBMS. [7]

**P.T.O.**



- Q5)** a) What is normalization? What is the need and benefits of normalization? [8]  
b) Explain String/ Character functions used in Oracle. [7]

**Q6)** Write a short note on (Any Two) [2x5=10]

- a) Cursor.
- b) CODD's Rule.
- c) Data Abstraction.
- d) Set Operators.

