

Total No. of Questions : 5]

SEAT No. :

**P4463**

**[4784] - 101**

[Total No. of Pages :1

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

**101 : ELEMENTS OF INFORMATION TECHNOLOGY &  
OFFICE AUTOMATION  
(2013 Pattern)**

*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) Define GUI. Explain any five functions of MS Window.
- b) Explain characteristic, history & generation of computer with its neat diagram.

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

- a) Explain basic functions of MS-Excel with its uses & example.
- b) What are the output devices. Explain work of floppy disk & HDD in detail.

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

- a) What is binary system & why it require? Explain 1's & 2's complement with example.
- b) What is programming language. Explain types of software in detail.

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

- a) What is MS Word. Explain any five functions of MS Word.
- b) What is multimedia. What is barcode scanner how it is used in real time.

**Q5)** Write short note (Any Two): **[10]**

- a) Binary arithmetic.
- b) OS.
- c) Multiple Spreadsheet.



Total No. of Questions : 5]

SEAT No. :

**P4464**

**[4784]-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) *Figures to the right indicate full marks.*
- 2) *All questions are compulsory.*

**Q1)** Answer the following (Any One):

**[10]**

- a) Explain variables, scope of variables and constants.
- b) Explain Frames and Dialog box.

**Q2)** Explain (Any One):

**[10]**

- a) Event driven programming with example.
- b) Any 2 MS windows common controls.

**Q3)** Write section code for any 2 of the following:

**[10]**

- a) Take 3 text boxes, accept 3 numbers between range (50 - 150). Find the maximum among three numbers, when MAX button is clicked.
- b) To arrange five names in dictionary order.
- c) Take a text box, display whether number accepted in text box is divisible by 5 or not.

**P.T.O.**

**Q4)** Answer the following (any one):

**[10]**

- a) Explain Input & dialog boxes with example.
- b) Explain event driven programming with example.

**Q5)** Short notes (any two):

**[10]**

- a) Check box.
- b) Date function.
- c) Branching statements.

*EEE*

Total No. of Questions : 4]

SEAT No. :

**P4465**

**[4784] - 103**

[Total No. of Pages :1

**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) *Question No. 1 is compulsory.*
- 2) *Attempt any TWO from Q.Nos. 2 to 4.*

**Q1)** Write short notes on any FOUR:

- a) Command line argument in C [5]
- b) Method overriding [5]
- c) Hierarchical inheritance [5]
- d) Looping statement do..... while [5]
- e) Polymorphism in C++ [5]

**Q2)** Write a program in C to generate the following pattern: [15]

```
9 7 5 3 1
9 7 5 3
9 7 5
9 7
9
```

**Q3)** Write a program in C to create a file having following fields: int network \_  
provider \_no, char product \_nm, float charges. [15]

**Q4)** Write a program in C++ to accept person's age. If age is above 18 years, the  
program should display "Eligible to Vote" else "Not eligible to Vote". [15]



Total No. of Questions : 5]

SEAT No. :

**P4466**

**[4784] - 201**

[Total No. of Pages :1

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

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

**(2013 Pattern) (Semester - II)**

*Time : 3Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) *Q. No. 1 is compulsory.*
- 2) *All Questions carry equal marks.*

**Q1)** What is E-Commerce? Explain working of E-Commerce in detail. **[10]**

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

- a) Define Web hosting. Explain e-transaction process in detail.
- b) What is cyber Crash? Explain benefits of e-commerce

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

- a) What is HTML? Explain block structure of HTML in detail.
- b) What is Java Script? Explain Advantages of Java-Script.

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

- a) Define the term package. Explain the concept of package with java program.
- b) Explain types of layouts in Java.

**Q5)** Write short note on (Any two): **[2 × 5 = 10]**

- a) Applet Life Cycle.
- b) JDK Environment.
- c) Digital Certificate.



Total No. of Questions : 5]

SEAT No. :

**P4467**

**[4784]-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) Figures to the right indicate full marks.*

**Q1)** Attempt the following questions (Any One):

**[10]**

- a) Design following reports to be generated from payroll system.
  - i) Pay slip
  - ii) Income Tax statement to be submitted to State government.
- b) Draw context level diagram for Bank Fixed Deposit system and design format of Fixed Deposit Receipt.

**Q2)** Attempt the following questions (Any One):

**[10]**

- a) Compare SDLC Vs prototyping.
- b) Explain Decision tree decision table with proper examples.

**Q3)** Attempt the following questions (Any One):

**[10]**

- a) Design a GUI form for providing student feedback for teaching faculty and infrastructure facilities of institute.
- b) Define the term normalization. Explain normalization in detail.

**P.T.O.**

**Q4)** Attempt the following questions (Any One):

**[10]**

- a) For library management system, draw.
  - i) E-R diagram
  - ii) Database Design
- b) Explain Role of system analyst in detail.

**Q5)** Write short notes on (Any Two):

**[2x5=10]**

- a) 4GL
- b) Feasibility study.
- c) Types of Requirements.

*EEE*

Total No. of Questions : 5]

SEAT No. :

**P4468**

**[4784] -203**

[Total No. of Pages :2

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

**203: DATABASE MANAGEMENT SYSTEM & ORACLE  
(2013 Course) (Semester - II)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

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

**Q1)** Answer the following. (any one). **[10]**

- a) What is Normalization? Explain 1NF, 2NF and 3NF with example.
- b) Explain Codd's 12 rules.

**Q2)** Answer the following. (any one). **[10]**

- a) Explain HDB and NDB in detail.
- b) What are different types of anomalies? Explain with example.

**Q3)** Explain (any one). **[10]**

- a) ER model with example
- b) Relating data through Join concept.

**Q4)** Consider following tables. **[10]**

- a) Customer (customer\_id(pk), cust\_name, address, Date\_of\_Birth, City (PUNE,MUMBAI, NASHIK, SOLAPUR), gender (M/F), Loan\_status (Y/N)).
- b) Loan (Loan\_no (PK), Customer\_id(FK), amount, no\_of\_years, Interest\_rate, Loan\_type (HOME, PERSONAL, CAR)).

**P.T.O.**



Query i is compulsory. Solve any 2 from ii to v.

- i) Create the above tables with proper constraints
- ii) Add column EMI in loan table
- iii) Display customers having city PUNE
- iv) Calculate EMI for all loans
- v) Display total numbers of can loan customers.

**Q5)** Consider above Table and answer following. (any 4)

**[10]**

- a) Display customers having names starting with letter 'A'.
- b) Display load details of customers staying in MUMBAI city.
- c) Display total number of women customers.
- d) Display records of customers having loan amount greater than 5,00,000.
- e) Display name of customers from NASHIK and having Home loan.

