

## FD-1006

PGDCA 1st Semester  
Examination, Dec.-Jan., 2021-22

Introduction to Software Organization  
(PGDCA - 101)

*Time : Three Hours] [Maximum Marks : 100*

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**Note :** Answer any **two** parts from each question. All questions carry equal marks.

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### Unit-I

1. (a) Write down the characteristics and limitations of computer.  
(b) Describe generations of computer.  
(c) Explain evolution of PC's.

### Unit-II

2. (a) What is the function of CPU ? Also explain different parts of Central Processing Unit (CPU).

## ( 2 )

- (b) Write about magnetic tape and also explain advantages and disadvantages of magnetic tape.
- (c) Differentiate between primary memory and secondary memory.

### **Unit-III**

- 3. (a) What is operating system ? Also write types and functions of operating system.
- (b) Write differences among DOS, Windows and Linux.
- (c) Write short notes on the following :
  - (i) Open source software
  - (ii) Interpreter and compiler

### **Unit-IV**

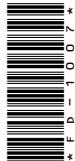
- 4. (a) Write down the classification of programming languages.
- (b) Explain different generations of languages with example (if necessary).
- (c) Write short notes on the following :
  - (i) Structured programming
  - (ii) Process-oriented programming

### **Unit-V**

- 5. (a) Explain network topologies.
- (b) Define different network types.

(3)

- (c) Write short notes on the following :
- (i) Internet and Intranet
  - (ii) File transfer protocol and Gopher
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Paper - II

Programming in ‘C’

*Time : Three Hours] [Maximum Marks : 100*

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## Unit-I

1. (a) Explain the operator precedence and associativity.
- (b) Explain the variable and constant with suitable example.
- (c) Explain the different types of character formatting in ‘C’ with suitable example.

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### **Unit-II**

2. (a) Write a programme to check a given number is even number or odd number.
- (b) Write a programme to display a table of any given number.
- (c) Explain the break and continue statement with suitable example.

### **Unit-III**

3. (a) What is function ? Explain with suitable example.
- (b) Write a programme to addition of two matrix. (assume  $3 \times 3$  matrix)
- (c) Differentiate between iteration and recursion with suitable example.

### **Unit-IV**

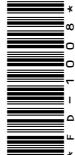
4. (a) What is pointer ? Explain pointer authentication with suitable example.
- (b) What is pointer to pointer ? Explain with suitable example.
- (c) Write a programme to sort the string using pointer.

### **Unit-V**

5. (a) What is structure ? How to initialize the structure element ? Explain with suitable example.

(3)

- (b) Write a programme to pass a structure as an argument in a function.
  - (c) Explain the array of structure with suitable programme.
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## FD-1008

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Paper - III

Office Automation and Tally

*Time : Three Hours] [Maximum Marks : 100*

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**Note :** Answer any **two** parts from each question. All questions carry equal marks.

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### Unit-I

1. (a) What is Windows ? Write down the various versions and features of Windows.
- (b) What do you mean by linking and embedding ? Explain with example.
- (c) Write short notes on the following :
  - (i) Notepad
  - (ii) Desktop
  - (iii) Taskbar
  - (iv) My Computer

## ( 2 )

### **Unit-II**

2. (a) Explain the procedure for inserting the following :
  - (i) Header and Footer
  - (ii) Table
- (b) Explain mail merge feature of MS Word with example.
- (c) Write the procedure of creating a graph in MS Excel. Also explain the types of graphs.

### **Unit-III**

3. (a) How can we insert picture and sound to any slide ?
- (b) What is animation ? How can we insert animation in PowerPoint slide ?
- (c) What is slide transition ? Write the steps for applying a transition in PowerPoint slides.

### **Unit-IV**

4. (a) What is MS Access ? Write down the various features of MS Access.
- (b) What is Report ? How can you create Report in MS Access ?
- (c) What is Relationship ? Explain the creation of Relationship.

(3)

**Unit-V**

5. (a) Define setting up ledger and groups in Tally.
- (b) How can you create, alter and delete company in Tally ?
- (c) Explain the following in brief:
- (i) Service Tax
  - (ii) Value Added Tax (VAT)
  - (iii) Gratuity
  - (iv) Bonus
  - (v) PF
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