



## **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).

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*(Turn Over)*

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- (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.

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

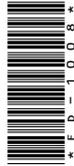
4. (a) What is pointer? Explain pointer authentication with suitable example.
- (b) What is pointer to pointer? Explain with suitable example.
- (c) Write a programme to sort the string using pointer.

**Unit-V**

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

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- (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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### **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

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**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.

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**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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