



## **ED-1006**

P.G. Diploma in Computer Application  
1st Semester Examination, March-April 2021

### **INTRODUCTION TO SOFTWARE ORGANIZATION**

(PGDCA - 101)

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

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

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#### **Unit-I**

1. (a) Draw a block diagram of a computer and explain each component of computer.
- (b) What do you mean by input devices and output devices of a computer? Explain each type of device in brief.
- (c) Explain the following terms :
  - (i) Types of computers
  - (ii) Development of processors

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**Unit-II**

2. (a) What are the differences between RAM and ROM ? Explain the various types of RAM and ROM.
- (b) What do you mean by Memory ? Explain primary memory and secondary memory in brief.
- (c) Write short notes on the following :
- (i) SIMM
  - (ii) DIMM
  - (iii) Data storage and retrieval systems

**Unit-III**

3. (a) What is Software ? What are the needs of softwares in computer ? Explain application software and system software in brief.
- (b) Differentiate among compiler, assembler and interpreter. Also give example of each and explain.
- (c) Write short notes on the following :
- (i) Booting process
  - (ii) Types of reboot
  - (iii) Types of operating system
  - (iv) DOS commands

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**Unit-IV**

4. (a) What are the characteristics of information? Explain data, information and knowledge.
- (b) What do you mean by object-oriented programming? Explain the various features of object-oriented programming.
- (c) Discuss the following :
- (i) Functional programming
  - (ii) Program development steps

**Unit-V**

5. (a) What is computer network? Explain the various types of computer network in detail.
- (b) What is communication protocol? Explain FTP, Telnet, SMTP, IP in brief.
- (c) Write short notes on the following :
- (i) Application of internet
  - (ii) www
  - (iii) E-mail
  - (iv) ISP (Internet Service Provider)