ED-1006

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

INTRODUCTION TO
SOFTWARE ORGANIZTION

(PGDCA - 101)

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

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

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

DRG_27_(3)   *(Turn Over)*

(2)

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, assember 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

DRG_27_(3)   *(Continued)*

(3)

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)

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DRG_27_(3)   **1,500**