E–1894

P. G. Diploma in Computer Application
(First Semester)
EXAMINATION, Dec.-Jan., 2020-21

(Old Course)

INTRODUCTION TO SOFTWARE ORGANIZATION

(PGDCA—101)

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

Note : Attempt any *two* Parts from each Unit. All questions carry equal marks.

Unit—I

1. (a) Write the characteristics and limitations of all generation of computer.

   (b) Explain any *two* output device in brief.

   (c) Write short notes on the following :

      (i) Scanner

      (ii) PC

Unit—II

2. (a) What is memory ? Explain types of primary memory.

P. T. O.

(b) Explain any *one* sequential access and one random access device in brief.

(c) Write short notes on the following :

    (i) SIMM and DIMM

    (ii) Registers

Unit—III

3. (a) What is Software ? Differentiate system software and application software.

(b) What is operating system ? Explain their types and function.

(c) What is language translator ? Describe their types.

Unit—IV

4. (a) Define data, information and knowledge and write the characteristics of information.

(b) Describe the all types of programming language.

(c) Write the features of object oriented programming and functional programming.

Unit—V

5. (a) What is Computer Network Protocol ? Describe any *two* types of protocol.

(b) What is topology ? Explain their types.

(c) Write short notes on the following :

    (i) Router

    (ii) Gateway

    (iii) HUB

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