



FD-1006

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

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.

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)

(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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