

G-1/604/22

Roll No.

I Semester Examination, January 2022

PGDCA

Paper I

(Fundamental of Computers)

Time : 3 Hours]

[Max. Marks : 80

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

Unit-I

1. (a) Draw a block diagram of computer system.
Explain its various components.
- (b) What do you mean by generations of computer ? Explain about different computer generations.
- (c) Write short notes in any *two* of the following :
 - (i) Analogue computer
 - (ii) Data processing system
 - (iii) Hardware and Software.

Unit-II

2. (a) What are the difference between impact and non-impact printers ?

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- (b) Explain OMR, OCR, MICR concept.
- (c) Write short notes on any *two* of the following :
 - (i) Cathode Ray tube
 - (ii) Pointing Device
 - (iii) Plotters.

Unit-III

- 3. (a) What is Memory ? Explain different types of memory.
- (b) Explain sequential direct and Indirect sequential methods.
- (c) Write short notes on any *two* of the following :
 - (i) Registers (ii) Bus
 - (iii) Mass storage.

Unit-IV

- 4. (a) Differentiate between System software and Application software.
- (b) What is Operating system ? Explain types of Operating system.

- (c) Write short notes on any *two* of the following :
 - (i) BIOS
 - (ii) Language Processor
 - (iii) Program and Packages.

Unit-V

- 5. (a) What is Booting ? Explain booting steps and their types.
- (b) Explain linux editors and editor commands.
- (c) Write short notes on any *two* of the following :
 - (i) File system
 - (ii) Security features of Linux
 - (iii) Function of OS.

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