

Roll No.

E-1888

P. G. Diploma in Computer Application

(First Semester)

EXAMINATION, Dec.-Jan., 2020-21

(New Course)

FUNDAMENTALS OF COMPUTERS

(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) What is computer ? Explain generation of computer using example.
- (b) Explain structure of computer using block diagram.
- (c) What do you mean by memory ? Explain various types of memory in detail.

P. T. O.

Unit—II

2. (a) What is input device ? Explain any *five* input and *five* output devices in detail.
- (b) What is printer ? Explain impact and non-impact printer in detail.
- (c) Write short notes on :
 - (i) CRT
 - (ii) MICR
 - (iii) OMR
 - (iv) Joystick

Unit—III

3. (a) Explain direct access memory in detail. Also write advantage of direct access memory over sequential access storage.
- (b) What is flash memory ? Why is it used ? Write advantage of using flash memory.
- (c) What is cache memory ? Why is it used ? Write advantage of using cache memory.

Unit—IV

4. (a) Write the difference between system software and application software.
- (b) What is compiler and interpreter ? Write the difference between compiler and interpreter.

[3]

- (c) What is computer language ? Why is it needed ?
Compare middle and high level language.

Unit—V

5. (a) What is operating system ? Write function of OS.
- (b) What do you mean by linux ? Write advantage of using linux.
- (c) Write any *five* linux commands with example.