

**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.

**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.

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- (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.

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