

January 2019

Post Graduate Diploma in Computer Application (PGDCA) Examination

1st Semester

FUNDAMENTALS OF COMPUTER

<http://www.davvonline.com>

Time 3 Hours

[Max. Marks 100

Note : Attempt any two parts from each question. Each question carries equal marks.

1. (a) Explain characteristics and limitations of a Computer :
(b) Describe :
(i) ASCII (ii) EBCDIC.
(c) Solve :
(i) $(173)_{10} = (?)_2 = (?)_8 = (?)_{16}$ (ii) $(5AC)_{16} = (?)_8 = (?)_2 = (?)_{10}$.
2. (a) Differentiate RAM and ROM.
(b) Describe any three Secondary Storage Devices.
(c) Explain the functions of CU and ALU in Computer.
3. (a) Classify the Computer on the basis of technology, uses, applications etc.
(b) Write down the later configuration of Computer (Hardware and Software Specification) for personal, office and business purposes.
(c) Explain the concept of parallel processing of storage / backup.
4. (a) Give the advance features of of :
(i) Touch Screen (ii) Digital Camera.
(b) Compare the Video Standard VGA, SVGA and XGA.
(c) Write a detailed note on Printers. <http://www.davvonline.com>
5. (a) Write down the features of system software. Give suitable examples.
(b) Describe historical evolution and development of Computer Language from inception to present.
(c) Write a short note on any two of the following :
(i) Translators (ii) Linker and Loaders (iii) Utility softwares.