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FACULTIES OF ARTS/SCIENCE/COMMERCE/SOCIAL SCIENCES

B.A.(L)/B.A./B.Sc./B.Com./B.B.M. (I Semester) Examination

FUNDAMENTALS OF COMPUTERS

Paper I

(AEC - 1)

Time : 2 Hours] [*Max. Marks : 40*

Section A – (Marks: 4 × 4 = 16)

1. Answer any **four** of the following:

   (a) Characteristics of Computers.

   (b) Memory hierarchy

   (c) USB flash drive

   (d) Binary number system

   (e) Basic processor architecture

   (f) System software.

Section B – (Marks: 2 × 12 = 24)

*Answer **all** questions.*

2. (a) Briefly explain the generation and classification of computers.

   Or

   (b) Write a short note on different secondary storage devices.

3. (a) Explain the different logic gates. Draw the logic diagram for given expression:

   $$\overline{X}YZ + XY\overline{Z} + X\overline{Y}Z + \overline{XYZ}\cdot$$

   Or

   (b) What is firmware and middleware? Explain the difference between them.