

First Semester B. C. A. (Part - I) Examination

COMPUTER FUNDAMENTALS

Paper - 1 ST 1

P. Pages : 3

Time : Three Hours]

[Max. Marks : 60

- Note :** (1) All question are compulsory.
(2) All question carry equal marks.

1. (a) Explain the Generations of Computer in detail. 6
(b) Explain the characteristics of computer. 6

OR

2. (a) Explain the types of computer. 6
(b) Explain the features of computer. 6
3. (a) Explain output methods and any one output devices in detail. 6
(b) What is bar coading ? Explain. 6

AR-628

P.T.O.

OR

4. (a) Explain the following :—
 (i) MICR.
 (ii) VDU. 6
 (b) Differentiate between laser printer and inkjet printer. 6
5. (a) Explain the following :—
 (i) RAM.
 (ii) Flash Memory. 6
 (b) Explain the working of Cache Memory. 6

OR

6. (a) Differentiate between CD and DVD. 6
 (b) Explain ROM family. 6
7. (a) What is base of a number system ? Write its importance in positional number system. 6

- (b) Convert the following numbers in respective number system :

(i) $(952)_{10} = (?)_8$

(ii) $(1101010)_2 = (?)_8$

(iii) $(110.101)_2 = (?)_{10}$ 6

OR

8. (a) Explain Non-positional and Positional number systems. 6
 (b) Explain ASCII and EBCDIC codes with example. 6
9. (a) Write short notes on :—
 (i) Code Editor.
 (ii) Assembler.
 (iii) Debugging.
 (b) What is an algorithm ? Explain with its any one example. 6

OR

10. (a) What is flow-chart ? Explain with its any one example. 6
 (b) Differentiate between compiler and interpreter. 6

