

AS-1496

B.C.A. (Part—I) Semester—I Examination
COMPUTER FUNDAMENTALS
Paper—1 ST 1

Time : Three Hours]

[Maximum Marks : 60

Note :— (1) **ALL** questions are compulsory.
(2) All questions carry equal marks.

1. (a) Explain data and information. Explain with example. 6
- (b) Explain the Block diagram of Computer and write its characteristics. 6

OR

2. (a) What is “generation” in computer terminology ? Explain all in detail. 6
- (b) Write full form of following :
 - (i) ENIAC
 - (ii) VLSI
 - (iii) UNIVAC. 6
3. (a) Explain Input methods and its devices. 6
- (b) Write short notes on :—
 - (i) MICR
 - (ii) OCR. 6

OR

4. (a) Explain various types of printers in detail. 6
- (b) Explain output methods and its devices. 6
5. (a) What is memory and memory cell ? 6
- (b) Explain the following :—
 - (i) RAM
 - (ii) Cache. 6

OR

6. (a) Differentiate between primary and secondary memory. 6
 (b) What is flash memory ? 6
7. (a) Explain the following :—
 (i) Positional Number System
 (ii) Non-Positional Number System. 6
 (b) Explain Decimal to Binary and Vice Versa conversion with examples. 6

OR

8. (a) What is number system ? Explain its types. 6
 (b) Explain the following in short :
 (i) BCD Code
 (ii) ASC II Code
 (iii) EBCDIC Code. 6
9. (a) Explain various features of structured programming. 6
 (b) Explain the following :—
 (i) Interpreter
 (ii) Algorithm. 6

OR

10. (a) Write an algorithm to find odd and even number from any 5 given numbers. 6
 (b) What is flow chart ? Draw all basic flowchart symbols. 6