B.C.A. (Part–I) Semester–I Examination
COMPUTER FUNDAMENTALS
Paper–1ST1

Time : Three Hours]   [Maximum Marks : 60

Note :— (1) All questions are compulsory.

(2) All questions carry equal marks.

1. (a) Explain in detail generations of computers.   6

(b) Define computer and explain types of computer.   6

OR

2. (a) Explain classification of computers.   6

(b) Draw and explain Block diagram of computer in detail.   6

3. (a) What do you mean by input device ? Explain mouse in detail. 6

(b) Explain MICR and Bar Code Reader in detail.   6

OR

4. (a) Explain the working of VDU.   6

(b) Define printer. Explain types of printer.   6

5. (a) Define ROM and explain ROM family in detail.   6

(b) Explain differences between primary and secondary memory.   6

OR

6. (a) What is meant by data storage ? List the various types of storange devices. 6

(b) What is optical disc ? Explain CD and DVD in detail.   6

7. (a) Explain ASCII and EBCDIC codes in detail.   6

(b) What is BCD code ? Explain the procedure of conversion of decimal to BCD, give example. 6

OR

8. (a) Explain with example the procedure of conversion of Decimal to Hexadecimal. 6

(b) Explain the following :

(i) ASCII code

(ii) EBCDIC code

(iii) BCD code.   6

9. (a) What is an algorithm ? Write an algorithm to find largest of three numbers. 6

(b) What is structured programming ? State and explain its important features. 6

OR

10. (a) What is language ? Explain types of languages.   6

(b) Explain the following :

(i) Assembler

(ii) Program design

(iii) Program testing.   6