

AM-220

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

Time : Three Hours]

[Maximum Marks : 60

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

1. (a) Draw and explain the block diagram of Computers. 6
(b) Explain the generation of computers. 6

OR

2. (a) Define Computer. Explain the history of Computers. 6
(b) Explain the classification of Computers. 6
3. (a) What is the function of Printer ? Explain the working of Laser Printer. 6
(b) Explain the working of following :
(i) MICR
(ii) VDU. 6

OR

4. (a) What is the function of Input Output Devices ? Explain any one Input and Output device. 6
(b) Explain the types of Printers. 6

5. (a) What is the function of Memory of Computer ?
Explain its types. 6
- (b) Explain the following :
(i) Flash Memory
(ii) Cache Memory. 6

OR

6. (a) Explain ROM families. 6
- (b) Explain the working of CD and DVD. 6
7. (a) What is Number System ? Explain the types of
Number Systems. 6
- (b) Convert the following numbers in respective number
systems : 6
- (i) $(1AB4)_{16} = (?)_2$
(ii) $(125)_{10} = (?)_8$
(iii) $(111001)_2 = (?)_{10}$

OR

8. (a) Explain the procedure to convert Binary number into
Decimal number with example. 6
- (b) Explain the following :
(i) BCD
(ii) ASCII. 6
9. (a) What is Flowchart ? Explain various symbols used
in flowchart with suitable example. 6

- (b) Explain the following :

- (i) Assembler
(ii) Interpreter
(iii) Compiler. 6

OR

10. (a) What do you mean by Debugging and Testing ?
Distinguish between them. 6
- (b) What is Algorithm ? Write an algorithm to find the
factorial of a given number. 6