

(b) Explain the following :—

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

6



AP – 536

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

COMPUTER FUNDAMENTALS

Paper – 1 ST 1

P. Pages : 4

Time : Three Hours]

[Max. Marks : 60

Note : (1) All questions are compulsory.

(2) All questions carry equal marks.

1. (a) What is Computer ? Explain the History of Computer. 6
- (b) Explain the classification of Computer. 6

OR

2. (a) Explain Generations of Computer. 6
- (b) What do you understand about mini, micro and Super computer ? 6
3. (a) What is the function of input devices ? Explain working of MICR. 6
- (b) Describe the function and working of Inkjet Printer. 6

OR

4. (a) Explain VDU in detail. 6
 (b) Explain the following :—
 (i) Keyboard.
 (ii) Bar coding. 6
5. (a) What is the function of memory of Computer ? Explain its types. 6
 (b) Explain the working of CD and DVD. 6

OR

6. (a) What do you mean by flash memory ? Explain with example. 6
 (b) Explain types of memory along with Rom family. 6
7. (a) What is Number system ? Explain types of Number systems. 6
 (b) Explain the following :—
 (i) BCD.
 (ii) ASCII. 6

OR

8. (a) Explain the following terms with example :—
 (i) Octal number system.
 (ii) Binary number system.
 (iii) Hexadecimal number system. 6
- (b) Convert the following number in respective number :—
 (i) $(888)_{10} = (?)_{16}$
 (ii) $(721)_8 = (?)_2$
 (iii) $(5AZ)_{16} = (?)_{10}$ 6

9. (a) What do you mean by Debugging and Testing ? Distinguish between them. 6
 (b) Explain the structured programming and write important features of it. 6

OR

10. (a) Explain the following terms :—
 (i) Algorithm.
 (ii) Flow chart. 6