

**BA LLB
FOURTH SEMESTER
COMPUTER APPLICATIONS
BLB – 401 [REPEAT]
[USE OMR FOR OBJECTIVE PART]**

**SET
A**

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

Marks: 20

(Objective)

1×20=20

Choose the correct answer from the following:

1. Which of the following language is easily understood by humans?
 - a. Low-level language
 - b. high-level language
 - c. Both
 - d. None
2. The hexadecimal form of the binary number 11111011 is
 - a. A3
 - b. AF
 - c. FA
 - d. FB
3. Which is the fastest RAM?
 - a. SRAM
 - b. DRAM
 - c. Both
 - d. None of these
4. A computer can't operate without
 - a. Primary memory
 - b. Secondary memory
 - c. Both
 - d. None of these
5. Which of the following is a volatile memory?
 - a. Hard-disk
 - b. ROM
 - c. RAM
 - d. All of these
6. Which of the followings is used for booting up the computer
 - a. ROM
 - b. RAM
 - c. Both
 - d. None of these
7. The 2's compliment of the number 10101101 is
 - a. 01010010
 - b. 11010010
 - c. 01010011
 - d. 11101111
8. The main feature of 2nd generation of computer is
 - a. Vacuum Tube
 - b. Transistor
 - c. IC
 - d. AI
9. PHP is an example of
 - a. Assembly language
 - b. Machine level language
 - c. High level language
 - d. All of these

(**Descriptive**)

Time : 2 hrs. 30 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. What do you mean by Computer memory. What are the various types of computer memory? Discuss briefly. 10
2. Discuss the features, advantages and disadvantages of generation of computers. 10
3. Explain with the help of diagram the architecture of computer. 10
4.
 - a. Subtract (10)₁₀ from (15)₁₀ in 1's compliment method. 4+4+2
 - b. Subtract (14)₁₀ from (12)₁₀ in 2's compliment method. =10
 - c. Convert (80)₁₀ into its binary equivalent.
5. What do you mean by operating system? Explain the functions and types of operating system. 10
6. What is IoT? What are the various components of IoT? Discuss briefly. 10
7. Discuss the various types of computer. 10
8.
 - a. Differentiate between High level language and Low level language. 5+5=10
 - b. Write Short notes on Half Adder.

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