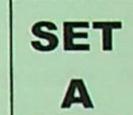**BA LLB**
FOURTH SEMESTER
COMPUTER APPLICATIONS
BLB – 401 [REPEAT]
[USE OMR FOR OBJECTIVE PART]

SET A

Duration: 3 hrs.

Full Marks: 70

(**Objective**)

Time: 30 min.

Marks: 20

Choose the correct answer from the following: 1×20=20

1. Analog computer uses
   a. Continuous signals
   b. Discrete Signals
   c. Ultra-violet rays
   d. All of these

2. CPU consists of
   a. ALU & Memory
   b. ALU & Control Unit
   c. Control Unit & Memory
   d. All of these

3. Which is the fastest RAM?
   a. SRAM
   b. DRAM
   c. Both
   d. None of these

4. The translator which converts high level language into machine language is called
   a. Assembler
   b. Multiplexer
   c. Compiler
   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. Java is an example of
   a. High level language
   b. Assembly language
   c. Machine language
   d. None of these

7. The 2's compliment of the number 10101101 is
   a. 01010010
   b. 11010010
   c. 01010011
   d. 11101111

8. The hexadecimal form of the binary number 11111010 is
   a. AF
   b. EA
   c. CD
   d. FA

9. The 1's compliment of the number 10101101 is
   a. 01010010
   b. 11011010
   c. 01011110
   d. 01010011

10. Which of the following is Universal gate?
    a. AND
    b. OR
    c. NAND
    d. NOT

11. Laptop is an example of
    a. Mini computer
    b. Mainframe computer
    c. Micro computer
    d. All of these

12. Vacuum tube was used in
    a. 3rd generation of computer
    b. 2nd generation of computer
    c. 1st generation of computer
    d. 5th generation of computer

13. The base of binary number system is
    a. 2
    b. 10
    c. 8
    d. 16

14. The binary form of decimal 7 is
    a. 101
    b. 110
    c. 111
    d. 011

15. Hybrid computer uses
    a. Digital signal
    b. Analog signal
    c. Both (a) & (b)
    d. None

16. An example of output device is
    a. Keyboard
    b. Mouse
    c. CPU
    d. Printer

17. Which of the followings can store data permanently
    a. Main memory
    b. Secondary memory
    c. Both (a) & (b)
    d. None

18. Half subtractor performs binary operation on
    a. 3 bits
    b. 4 bits
    c. 2 bits
    d. 1 bits

19. How to erase data in EPROM?
    a. Using Vacuum tube
    b. Using Transistor
    c. Using Ultra-violet rays
    d. All of these

20. Which of the following is operating system software?
    a. Windows XP
    b. WinZip
    c. MS word
    d. Antivirus

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(**Descriptive**)

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

1. What do you mean by Computer memory. What are the various   2+8=10
    types of computer memory? Discuss briefly.

2. Discuss the features, advantages and disadvantages of generation   4+3+3
    of computers..   =10

3. What are the various types of computer? Explain briefly.   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 of   10
    operating system.

6. What is Universal gate? What are the different types of basic logic   2+8=10
    gates? Discuss with the help of symbolic representation.

7. a. Discus the architecture of computer with the help of block   6+4=10
        diagram.
    b. Write short notes on assembler and compiler.

8. Write short notes on the followings: 5+5=10
    a. Half adder
    b. Computer language.

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