

**BBA LLB  
FOURTH SEMESTER  
COMPUTER APPLICATIONS  
BBLB – 401**

**SET  
A**

[USE OMR FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

( Objective )

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. 3<sup>rd</sup> generation of computer  
b. 2<sup>nd</sup> generation of computer  
c. 1<sup>st</sup> generation of computer  
d. 5<sup>th</sup> 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 )**

Time : 2 hrs. 30 min.

Marks : 50

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

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|---|--------------|
| 1. What do you mean by Computer memory. What are the various types of computer memory? Discuss briefly.   | 2+8=10       |
| 2. Discuss the features, advantages and disadvantages of generation of computers..  | 4+3+3<br>=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.<br>b. Subtract $(14)_{10}$ from $(12)_{10}$ in 2's compliment method.<br>c. Convert $(80)_{10}$ into its binary equivalent. | 4+4+2<br>=10 |
| 5. What do you mean by operating system? Explain the functions of operating system.   | 10           |
| 6. What is Universal gate? What are the different types of basic logic gates? Discuss with the help of symbolic representation.   | 2+8=10       |
| 7. a. Discus the architecture of computer with the help of block diagram.<br>b. Write short notes on assembler and compiler.  | 6+4=10       |
| 8. Write short notes on the followings:<br>a. Half adder<br>b. Computer language.   | 5+5=10       |

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