

**BA LLB
FOURTH SEMESTER
COMPUTER APPLICATIONS
BLB – 401**
[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

10. Which of the following is Universal gate?
a. AND
b. OR
c. NAND
d. NOT
11. The fastest type of computer is
a. Mainframe computer
b. Desktop
c. Laptop
d. Super computer
12. Which of the following is not an operating system.
a. Linux
b. IOS
c. Oracle
d. Windows
13. An example of output device is
a. Keyboard
b. Mouse
c. CPU
d. Printer
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. The base of decimal number system is
a. 2
b. 10
c. 8
d. 16
17. Which component of IoT is used to collect and transmit data ?
a. Gateway
b. Sensors
c. Cloud
d. Analytics
18. Which of the followings acts as an intermediate between the sensors and the central clouds?
a. Cloud
b. Sensors
c. Gateway
d. Analytics
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 followings manages the overall resources and operation of computer?
a. Memory
b. Application software
c. Operating system
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.

== *** ==