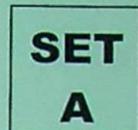# MASTER OF COMPUTER APPLICATION
FIRST SEMESTER [SPECIAL REPEAT]
IT TRENDS
MCA-104 (IDMn)
[USE OMR SHEET FOR OBJECTIVE PART]

SET A

Duration: 1hr. 30 mins.

Full Marks: 35

(Objective)

Time: 15 mins.

Marks: 10

Choose the correct answer from the following:

1×10=10

1. A _____ set of rules that governs data communication.
    a. Protocols
    b. Standards
    c. RFCs
    d. Servers

2. In computer network nodes are_____.
    a. The computer that originates the data
    b. The computer that routes the data
    c. The computer that terminates the data
    d. All of the mentioned

3. Bluetooth is an example of_____.
    a. Personal area network
    b. Local area network
    c. Virtual private network
    d. Wide area network

4. What is an operating system?
    a. Interface between the hardware and application programs
    b. Collection of programs that manages hardware resources
    c. System service provider to the application programs
    d. All of the mentioned

5. Number of binary digits (bit) in one byte is _____.
    a. 2
    b. 4
    c. 8
    d. 10

6. Facebook, a social network was launched in 2004 by_____.
    a. Mark Zuckerberg
    b. Jeff Bezos
    c. Bill Gates
    d. Larry Page

7. Which of the following is a Volatile type of Memory?
    a. ROM
    b. RAM
    c. PROM
    d. EPROM

8. A Data Center is a type of_____.
    a. Center for Data Storage
    b. Virtual Medium
    c. IT Center
    d. High end Server

9. In Encryption, _____ text is converted into _____ text.
    a. Plain , rich
    b. Hyper, Plain
    c. Plain, Cipher
    d. Cipher, Hyper

10. User Authentication in digital transaction is done by_____.
    a. Digital Signature   b. Login ID
    c. Password   d. All of the above

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(Descriptive)

[Answer question no.1 & any two (2) from the rest]

1. What is Internet? Explain how internet can make the world smaller.   5

2. Differentiate between: 5+5=10
   a) SRAM and DRAM
   b) Printer and Plotter

3. a) What do you understand by Cyber security? How Cyber security   5+5=10
   can be achieve in communication.
   b) Write a short note on Biometrics.

4. Define the following terms: 2×5=10
   a) Big data
   b) Artificial Intelligence
   c) Machine learning
   d) Virtual Reality
   e) NLP

5. What is memory unit? How do you classify computer's memory?   2+3+5=10
   Distinguish between primary and secondary memory

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