

**MASTER OF COMPUTER APPLICATION
FIRST SEMESTER
RECENT TREND TECHNOLOGIES IN IT
MCA-104**

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

Time: 15 mins.

(Objective)

Marks: 10

Choose the correct answer from the following:

1×10=10

1. <P,E,T> in machine learning stands for?
 - a. Performance, experience, target
 - b. Performance, enhancement, training
 - c. Pre-training, experience, target
 - d. Pre-training, evaluation, training
2. The type of a valid VR is/are?
 - a. Egocentric
 - b. Exocentric
 - c. Augment
 - d. a and b
3. Cloud computing encompasses?
 - a. IaaS
 - b. SaaS
 - c. PaaS
 - d. All
4. A valid component in neural network is?
 - a. Neuron
 - b. Deactivation function
 - c. Synapses
 - d. a and c
5. In data mining architecture, a valid block for preprocessing is?
 - a. Mining
 - b. Data
 - c. Rules
 - d. Cleaning
6. In Big data 'data' is?
 - a. Combined
 - b. Merged
 - c. Split
 - d. Broken
7. A valid learning type in neural network is?
 - a. Supervised
 - b. Unsupervised
 - c. Reinforcement
 - d. All of the above
8. A firewall cannot block?
 - a. Spam
 - b. Pop-ups
 - c. DNS
 - d. Viruses
9. Applications of computer are?
 - a. Multimedia
 - b. Networking
 - c. Computing
 - d. All

10. Android operating system is commonly used in?
- a. Mobiles
 - b. Personal computer
 - c. None
 - d. Others

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(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

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

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| 1. Draw the architecture of data warehousing and explain its concepts. | 5 |
| 2. What do you mean by android? Explain its architecture in detail. How is android different from standard OS? | 2+6+2=10 |
| 3. What is cloud architecture? Draw the architecture and explain some of its components? What are the services provided in a cloud? | 2+6+2=10 |
| 4. What are the different learning types in ML? | 10 |
| 5. What are the fundamentals of IoT? Explain its applications and projects. | 5+5=10 |

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