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MASTER OF COMPUTER APPLICATIONS
EXAMINATION : DECEMBER - 2023
SEMESTER - II

Sub : Current Trends in IT (CTIT) (MCA- 204-22)

Date : 22/12/2023

Total Marks : 60

Time: 10.00 am to 12.30 pm

Instruction:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagram wherever necessary.

Q. 1. Answer the following in 2 - 3 lines. (Any 5) (10)

1. Define the term "Computer Database".
2. Define the term "Cyber Stalking".
3. Define the term "Private Key".
4. Define the term "sniffing".
5. Define the term "smart contract".
6. Define the term "Placement".
7. Define the term "Private block chain".

Q. 2. Answer the following in short. (Any 4) (20)

1. Write a short note on "Intrusion Prevention System"
2. Write a short note of Digital Copyrights
3. Explain the following attacks; a) Password cracking b) Session Hi-jacking.
4. Write a short note on "Phishing Techniques".
5. Explain the IoT Environment Characteristics.
6. Write a short note on "Actuator".

Q. 3. Answer the following in detail. (Any 3) (30)

1. Definition of the term "Sensing", Explain different types of sensors classes.
2. Define the term "Money Laundering". Explain the stages involved in Money Laundering.
3. Explain any five types of Banking or finance related to cyber crime.
4. Define the term "Cryptography". Explain Symmetric key cryptography in detail.
5. Explain any five types of hacking techniques.
