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Total No. of Pages : 02

Total No. of Questions : 18

MCA (2015 to 2018) (Sem.-3)
INFORMATION SECURITY
Subject Code : MCA-302
M.Code : 74074

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTIONS-A, B, C & D** contains **TWO** questions each carrying **TEN** marks each and students has to attempt any **ONE** question from each **SECTION**.
2. **SECTION-E** is **COMPULSORY** consisting of **TEN** questions carrying **TWENTY** marks in all.

SECTION-A

- 1) Discuss some computer security threats and how they can be prevented?
- 2) What is message authentication in cryptography? How hash functions are used in message authentication?

SECTION-B

- 3) Discuss advantages and disadvantages of token based authentication system?
- 4) Explain the need for database security? What are database access controls in dbms?

SECTION-C

- 5) What are the type of malicious software? How they harm the network system?
- 6) What are software related security issues? Write the steps to handle security issues?

SECTION-D

- 7) Explain the common criteria for Information technology security evaluation?
- 8) What is security risk assessment and how it works?

SECTION-E

- 9) Discuss the importance of digital signatures?
- 10) Write in short about Iris Biometric system?
- 11) Define relational databases?
- 12) What is social engineering attack?
- 13) Give example of flooding attack?
- 14) What is safe programming coding?
- 15) Discuss Keylogger system?
- 16) Write a short note on windows security?
- 17) What are trusted systems?
- 18) What are worms in Information Security?

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.