

Program: Master of Computer Applications

Curriculum Scheme: CBCGS

Examination: MCA 1st Year SEMESTER II

Course Code: MCA23_ and Course Name: Information Security

Time: 2 HRS

Max. Marks: 80

Section I - MCQS (40 Marks) – 40 Minutes

Section II – Subjective (40 Marks) – 80 Minutes

The timings

Examination Time is 11:00 am to 1:00 noon

Section I – 11:00 am – 11:40 am

Section II – 11.40 am – 1:00 pm

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SECTION II

Q2. Solve any two questions out of three.

20 marks

- A) Explain Data Encryption Standard in detail.
- B) Explain the working of MD5 in detail.
- C) Explain the SSL handshake Protocol.

Q.3. Solve any Four from five.

20 marks

- A) Use the Euclidean Algorithm to find the greatest common divisor of 44 and 17.
- B) What is the principle of information security?
- C) Explain MAC in detail.
- D) Write short note on MIME and PGP.
- E) Explain Bastion Host.