

M.Sc.(FS) Semester - 2 (CBCS) Examination**May/June-2021****Modern Methods of Investigation****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figure to the right indicate marks.
 2. There are five questions in the question paper.
 3. Answer any three of the following questions.
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Q1 (A) Answer all questions in short : (04)

1. Define Cyber Crime and mention its types.

Q1 (B) Answer any two questions out of three : (10)

1. Define Digital Evidences. Mention the characteristics of a digital evidence.
2. Write a note on the potential evidentiary value of electronic devices as digital evidence.
3. Write a note on Malware and its different types.

Q2 (A) Answer all questions in short : (04)

1. Mention the drugs used for Narco Analysis.
2. Define Forensic Psychology. Mention its forensic significance.

Q2 (B) Answer any two questions out of three : (10)

1. Write a note on BEOS.
2. Describe in brief about the instrumentation and working principle of the Polygraph machine.
3. Define Narco Analysis. Explain the procedure for Narco Analysis.

Q3 (A) Answer in short : (04)

1. Define lense. Mention its types.
2. Mention the Cardinal Rules of Crime Scene Photography.

Q3 (B) Answer any two questions out of three : (10)

1. Explain the working principle of Camera. Mention its types.
2. Write a note on Parameters of Photography.
3. Write a note on Digital Photography.

Q4 (A) Answer in short: (04)

1. Define Organs of Speech. Mention their types.

Q4 (B) Answer any two questions out of three : (10)

1. Write a note on Speech Production Theory.
2. Write a note on the function of different organs of speech.
3. Differentiate between Active articulates and Passive articulates.

Q5 (A) Answer in short : (04)

1. Mention the components of speaker recognition.
2. Differentiate between Analog Speech signal and Digital speech signal.

Q5 (B) Answer any two questions out of three : (10)

1. Write briefly about the Speaker Recognition process.
2. Write a note on spectrographic analysis of voice samples.
3. Write a note on forensic significance of Speaker Recognition.
