

M.Sc. (Forensic Sci.) Semester - 2 (CBCS) Examination**May/June-2022 (New Course)****Digital Evidence and Psychology (Core)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Q.1 (a)	Write a note on Digital Evidences	4 Marks
Q.1 (b)	Answer any two questions out of three.	10 Marks
(1)	Explain the procedure for collection of digital evidences	
(2)	What do you understand by incident response management	
(3)	Give a brief account of cyber crimes	
Q.2 (a)	What is the difference between narco-analysis and Polygraph Detection	4 Marks
Q.2 (b)	Answer any two question out of three.	10 Marks
(1)	What are the different types of tests performed in polygraph testing	
(2)	What is the basic principle of BEOS and its forensic significance	
(3)	Write short note on narco-analysis	
Q.3 (a)	Write a note on Digital photography	4 Marks
Q.3 (b)	Answer any two question out of three.	10 Marks
(1)	Give a note on lenses	
(2)	What is the relevance of filters. Explain	
(3)	Write a note on crime scene photography	
Q.4 (a)	Explain how voice is produced and explain the role of parts in speech production	4 Marks
Q.4 (b)	Answer any two question out of three.	10 Marks
(1)	What are the different speech sound categories	
(2)	Discuss Harmonics and pitch detection	
(3)	What is a voice spectrogram features. Discuss	
Q.5 (a)	Explain the steps in audio-video tape authentication	4 Marks
Q.5 (b)	Answer any two questions out of three.	10 Marks
(1)	What are different modes of speaker recognition?	
(2)	Give Forensic applications of speaker recognition with case study	
(3)	What is the difference between speaker recognition and speaker verification	
