

B.Sc. Semester - 1 (CBCS) Examination
Feb/Mar. -2021 (NEW COURSE)
FORENSIC SCIENCE (CORE)

Time: 1:30 Hours**Marks: 42****Instructions:**

1. Figures 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 in short: (04)

1. Define Forensic Science.
2. What is the number of core and delta in loop patterns?
3. Which principle was proposed by Sir Edmund Locard?
4. What is the full form of SIM?

Q1 (B) Answer any one in brief: (03)

1. Enlist the evidence received by Digital and Cyber division.
2. Define arch and loop patterns and mention types of loop patterns.

Q1 (C) Answer any one in detail: (07)

1. Write a note on working of Questioned Documents division in detail.
2. Write a note on working of Physics Division with types of Exhibits.

Q2 (A) Answer in short: (04)

1. Which evidence is analyzed in bride trap cases?
2. Which evidences are sent to prohibition and possession division?
3. Who is considered as the father of forensic toxicology?
4. What is the full form of NDPS?

Q2 (B) Answer any one in brief: (03)

1. Enlist the types of samples and preservative methods used for toxicological samples.
2. Write a brief note on narcotic drugs and psychotropic substances.

Q2 (C) Answer any one in detail: (07)

1. Explain the working of chemistry division and sub-divisions in detail.
2. Enlist the evidence sent to chemistry division and type of instruments used for analysis.

Q3 (A) Answer in short: (04)

1. Write the full form of RNA.
2. Mention any two methods of forensic psychology.
3. Who is the father of forensic anthropology?
4. Who invented the polygraph test?

Q3 (B) Answer any one in brief: (03)

1. Which samples related to wildlife are sent for analysis in forensic biology division and mention the number of schedules in Wildlife Protection Act?
2. Explain the working of anthropology division in brief.

Q3 (C) Answer any one in detail: (07)

1. Write a note on working of biology and serology.
2. Write a detailed note on evidence sent to biology division and pertaining to what issues.

- Q4 (A) Answer in short: (04)
1. Define green collar crimes.
 2. What is meant by modus operandi?
 3. Give examples of blue collar crimes.
 4. Enlist major factors causing crime.
- Q4 (B) Answer any one in brief: (03)
1. Give the classification of blood spatter patterns.
 2. Define physical evidence, criminology and penology.
- Q4 (C) Answer any one in detail: (07)
1. Explain crime scene photography in detail.
 2. Explain the crime scene search patterns with diagrams.
- Q5 (A) Answer in short: (04)
1. What are the types of electron microscopes?
 2. In which cell organelles are paternal DNA and maternal DNA found?
 3. What are the types of endoplasmic reticulum?
 4. Define resolution.
- Q5 (B) Answer any one in brief: (03)
1. Explain principles of microscopy in brief.
 2. Differentiate between plant cell and animal cell.
- Q5 (C) Answer any one in detail: (07)
1. Make a flow chart format of microscopes and explain the construction of comparison microscope in detail.
 2. Write a note on Mitochondria of the cell.
