

**B.Sc. Semester - 1 (CBCS) Examination**  
**Nov./Dec. -2018 (New Course)**  
**FORENSIC SCIENCE (CORE)**

**Time: 2:30 Hours****Marks: 70****Instructions:**

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

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- Que-1 (A) Objective type questions. (any four) (04)
- (1) Give locard principle.
  - (2) Father of toxicology is \_\_\_\_\_.
  - (3) What do you understand by means of G.E.Q.D.
  - (4) First fingerprint bureau was established in.....
  - (5) What is forensic science?
- (B) Answer in detail. (Any 1 out of 2) (03)
- (1) Define question document and Nature of problems related to question document.
  - (2) Write a note on fingerprints.
- (C) Write a note on. (Any 1 out of 2) (07)
- (1) Define forensic science and give the name of branches of forensic science lab and explain the function of any four divisions.
  - (2) Explain forensic speaker recognition and working of voice analysis division.
- Que-2 (A) Objective type questions. (any four) (04)
- (1) Define arson.
  - (2) Chemical formula of drinking alcohol.
  - (3) Services provided by the chemistry division.
  - (4) Example of low explosive.
  - (5) Which alcohol responsible for the lattha kand?
- (B) Answer in detail. (Any 1 out of 2) (03)
- (1) Write a note on Narcotics and Psychotropic substance.
  - (2) Example and types of explosive.
- (C) Write a note on. (Any 1 out of 2) (07)
- (1) Types of cases and exhibits in forensic chemistry and its subdivision.
  - (2) Write a note on prohibition and possession and blood alcohol division.
- Que-3 (A) Objective type questions. (any four) (04)
- (1) Which information obtained by studying the skeleton?
  - (2) Who is considered to be the father of forensic anthropology?
  - (3) Which evidences are analyzed in biology division?
  - (4) Define forensic entomology.
  - (5) Which information obtained from the study of insects from crime scene?
- (B) Answer in detail. (Any 1 out of 2) (03)
- (1) Write a note on forensic serology.
  - (2) Write a note on forensic anthropology.
- (C) Write a note on. (Any 1 out of 2) (07)
- (1) Define forensic science and classify division of forensic science lab and give the working of biology division.
  - (2) Write a note on forensic anthropology and odontology.
- Que-4 (A) Objective type questions. (04)
- (1) Which collection method is best for the collection of Pollen grains and fingerprints?
  - (2) Give the name of method of searching the crime scene.
  - (3) Define criminology.
  - (4) Give the name of component of blood.
  - (5) What is crime?

- (B) Answer in detail. (Any 1 out of 2) (03)
- (1) Why preservation and packing of evidence is necessary? Give any six example of evidence with its preservation method.
  - (2) What is sketching? Which steps should be followed during sketching? Mention the types of sketching.
- (C) Write a note on. (Any 1 out of 2) (07)
- (1) Write a note on searching methods of evidence.
  - (2) Write a note on documentation of crime scene.
- Que-5 (A) Objective type questions. (any four) (04)
- (1) The Bacterial cytoplasm contain ..... types of ribosome.
  - (2) Which organelles produce energy in plant cells?
  - (3) SEM stands for \_\_\_\_\_.
  - (4) Barrier filters are used in \_\_\_\_\_ microscope.
  - (5) ..... is known as the power house of cell.
- (B) Answer in detail. (Any 1 out of 2) (03)
- (1) Explain the parts of electron microscope.
  - (2) Draw and label the structure of chloroplast and give Classification of plastids.
- (C) Write a note on. (Any 1 out of 2) (07)
- (1) Draw the labeled diagram of animal cell and explain any two organelles of it.
  - (2) Write a note on comparison microscope and polarizing microscope.

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