



HDS-003-0011015

Seat No. _____

B. Sc. (Forensic Science) (Sem. I) (CBCS)

Examination

November / December - 2017

**FS - 101 : Forensics, Crime & Investigative
Technique**

Faculty Code : 003

Subject Code : 0011015

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

Instructions :

- (1) This question paper contains five questions. All are compulsory,
- (2) Draw neat and labeled diagrams wherever necessary.
- (3) Figure to the right indicate marks.

- 1 (a) Objective type questions : 4
1. Services provided by the physics division.
 2. Give the types of fire arms.
 3. Give locard principle.
 4. Give the example of Cyber crime.
- (b) Answer in brief : (any 1 out of 2) 2
1. Contributions of Cavin Goddard and Alberto Osborn in forensic science.
 2. What is forensic science and give the name of main division of it.
- (c) Answer in detail : (any 1 out of 2) 3
1. Define forensic science and explain the need and scope of forensic science.
 2. Explain the principle of comparison, analysis and probability in forensic science.

- (d) Write a note on : (any 1 out of 2) 5
1. Crime scene photography
 2. Define forensic science and give the name of branches of forensic science lab and explain the function of any four divisions.
- 2** (a) Objective type questions : 4
1. Common question raised in blood alcohol division.
 2. Define explosive.
 3. Give the types of evidences analyzed in chemistry division.
 4. Which alcohol is there in 'Lattha' ?
- (b) Answer in brief : (any 1 out of 2) 2
1. Give the example of petroleum products.
 2. What is psychotropic substance and give the example of psychotropic substance.
- (c) Answer in detail : (any 1 out of 2) 3
1. Duties of forensic chemist
 2. Give the example of explosive substances.
- (d) Write a note on : (any 1 out of 2) 5
1. Give the name of branches of forensic science lab and explain the working of chemistry division.
 2. Explain working of sub division of chemistry.
- 3** (a) Objective type questions : 4
1. Which information obtained by studying the skeleton?
 2. Services provided by the biology division.
 3. How we can determine the age of person on the basis of teeth ?
 4. In which cases DNA analysis become helpful?

- (b) Answer in brief : (any 1 out of 2) **2**
1. Give the example of body fluids.
 2. Which evidences are very useful in solving the paternity maternity cases?
- (c) Answer in detail : (any 1 out of 2) **3**
1. Explain Forensic psychology.
 2. Work of serology division and forensic anthropology division.
- (d) Write a note on : (any 1 out of 2) **5**
1. Working of forensic biology division.
 2. Sub division of forensic biology.
- 4 (a) Objective type questions : **4**
1. What is crime scene?
 2. What is crime rate?
 3. Give the example of white collar crime.
 4. Which information should be mentioned in Notes of documentation of crime scene?
- (b) Answer in brief : (any 1 out of 2) **2**
1. Define Criminology and Penology.
 2. Mention the causes of crime with example.
- (c) Answer in detail : (any 1 out of 2) **3**
1. Write a note on blood pattern analysis.
 2. Why preservation and packing of evidence is necessary ? Give any six example of evidence with its preservation method.
- (d) Write a note on : (any 1 out of 2) **5**
1. Write a note on methods of sketching on crime scene.
 2. Write a note on collection technique of evidence.

- 5 (a) Objective type questions : 4
1. Which organelle is known as suicidal bag of cell?
 2. Give the example of light microscope.
 3. _____ acts as circulatory or transporting system.
 4. What is plasmid?
- (b) Answer in brief : (any 1 out of 2) 2
1. Full form of SEM and TEM.
 2. Give the difference between cilia and flagella.
- (c) Answer in detail : (any 1 out of 2) 3
1. Write down the difference between prokaryotic and eukaryotic cell.
 2. Explain the parts of electron microscope.
- (d) Write a note on : (any 1 out of 2) 5
1. Draw the labeled diagram of plant cell and explain any two organelles of it.
 2. Write a note on mitochondria.
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