

- (iv) Corpns Delicti
- (v) Polygraph
- (vi) Security thread
- (vii) NABL
- (viii) Cr P. C. 293
- (ix) Frye test
- (x) Forgery

Roll No. ....

**70729**

**M. Sc. Genetics 3rd Semester  
(Open Elective Course)  
Examination – November, 2018**

**FORENSIC SCIENCE**

**Paper : 16GEN02**

*Time : Three Hours ] [ Maximum Marks : 80*

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

*Note : Attempt four questions in all, selecting one question from each Section. Question No. 7 (Section - D) is compulsory. All questions carry equal marks.*

**SECTION – A**

1. (a) Write on establishment of various central forensic science laboratories (CFSL) in India 10

- (b) What is mandate of forensic science in crime investigation. 5
- (c) What are academic eligibilities and administrative responsibilities of Director of any SFSL in general. 5

2. Write notes on following : 5 × 4 = 20

- (a) RFSL  
(b) NICFS  
(c) CDTS  
(d) BPR&D

### SECTION – B

3. Explain the following : 5 × 4 = 20

- (a) Locard's principle  
(b) Law of comparison  
(c) Physical evidence  
(d) Trace evidence

4. (a) What is significance of 'Blood' and 'Semen' as evidence in Forensic Science ? 10

- (b) Explain 'GRID' and 'SPIRAL' methods in the systematic search of evidences of scene of crime. 10

### SECTION – C

5. (a) What is fundamental of comparing *two* hand-writing specimens. 10

(b) Explain with diagram difference between :

- (i) Arch and Loop 5  
(ii) Ridge Tracing and ridge counting 5

6. (a) Describe procedure to locate, develop, collect and compare latent fingerprints on a glass surface. 10

(b) What are essential qualities of a good forensic expert. Also give 'Dos' and 'Don'ts' for a forensic expert while cross examination. 10

### SECTION – D

7. Write short note on the following : 10 × 2 = 20

- (i) Forensic science  
(ii) DFSS.  
(iii) GEQD