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Total No. of Printed Pages: [01]

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B.Sc. Forensic Science (Semester – 3rd)
FORENSIC BIOLOGY AND SEROLOGY
Subject Code: BHFSS1 305
Paper ID: [21132213]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

- Q1. Attempt the following:
- a) Biological evidences
 - b) Forensic significance of hair
 - c) Forensic significance of semen
 - d) Urine stains
 - e) Blood
 - f) Antigen
 - g) Forensic significance of leaves
 - h) Crime scene Reconstruction
 - i) Function of saliva
 - j) pH of semen

Section – B

(5 marks each)

- Q2. What are Diatom? Discuss their forensic significance.
- Q3. Discuss functions of blood, along with collection and preservation of blood evidence.
- Q4. Write note on the documentation of bloodstain pattern evidence.
- Q5. Write note on the Cast-off bloodstain patterns.
- Q6. Distinction between human and non- human blood

Section – C

(10 marks each)

- Q7. Describe in detail the Composition, functions and evaluation of semen stains, including morphology of spermatozoa.
- Q8. What are microbial organisms? Discuss with examples the microbial organisms of forensic significance.
- Q9. Elaborate the bloodstain characteristics that impact the blood stain patterns.