(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2289552   Roll No.

B.TECH.

Regular Theory Examination (Odd Sem - VII),2016-17

FORENSIC DIAGNOSIS

Time : 3 Hours   *Max. Marks : 100*

Section - A

Attempt all sections. All sections carries equal marks.

Write answer of each section in short.   (10×2=20)

a)   What are hallucinogens? Describe them in brief.

b)   Differentiate between virtual autopsy and biopsy.

c)   Describe in short about forensic toxicology.

d)   What are short tandem repeats sequences.

e)   What are the sequential aspects of trials?

f)   Show the importance of DNA typing.

g) Define club drugs.

h) Describe the role and functions of forensic scientists.

i) Enumerate the applications of forensic diagnostics.

j) How collection and preservation of hair samples at crime scene is conducted?

Section - B

Attempt any 3 questions from this section. (3×10=30)

1. In various sectors show the application of forensic sciences.

2. Define the terms Forensic anthropology and odontology. Give the brief idea about Forensic anthropology & odontology.

3. Pin down the types of errors associated with medical testing.

4. Write a note on Combined DNA Index System (CODIS).

5. What is the process of collection, identification and preservation of Drug's. Explain it.

Section - C

Attempt all questions from this section (5×10=50)

1. a) List the numerous rapid diagnostic test technologies.

   b) Identification and comparison of manufactured fibres.

2. a) Show the advances in diagnostic testing till today.

   b) With the help of suitable examples and schematic diagrams show the use of microscopes in forensics.

3. a) What are applications and techniques of DNA analysis?

   b) **"Forensic science is the diverse collection of scientific techniques**." Justify the statement

4. a) What are evidence collection techniques?

   b) How identification, comparison of manufactured fibres are done? Also show its collection and preservation methods.

5. Taking into account the use of computers in forensics, show how data feeding, storage and processing of crime scenes are performed?

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