

(10)

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SARDAR PATEL UNIVERSITY

B.Sc. Examination; Semester -IV

Thursday, 21<sup>ST</sup>, APRIL, 2016

US04EFSC01: PRINCIPLES OF FORENSIC SCIENCE

TIME- 10:30AM - 12:30 PM

TOTAL MARKS- 70

Q-1 Choose the Correct Answer from the given options:

(10)

- 1) Poison may gain entry into the human body through \_\_\_\_\_.  
(a) Oral (b) injection  
(c) Inhalation (d) all of the above
- 2) \_\_\_\_\_ is not a Miscellaneous poison.  
(a) Diamond dust (b) Glass powder  
(c) Chopped hair (d) Long hairs
- 3) The poisons used for stupefying purposes are \_\_\_\_\_.  
(a) Dhatura (b) Cyanide  
(c) Isocyanides (d) Sulphides
- 4) The death of the individual cells is known as \_\_\_\_\_ death.  
(a) Cellular (b) Molecular  
(c) Both (a) and (b) (d) None of the above
- 5) Failure of the circulatory system is known as \_\_\_\_\_.  
(a) Syncope (b) Asphyxia  
(c) Coma (d) Hanging
- 6) In \_\_\_\_\_ hanging lower body portion is touching the ground.  
(a) Complete (b) Throttling  
(c) Partial (d) Mugging
- 7) Human urine contain \_\_\_\_\_ % of water.  
(a) 95 (b) 54  
(c) 59 (d) 45
- 8) The process of sweat is also called as \_\_\_\_\_.  
(a) Puking (b) Emesis  
(c) Perspiration. (d) Hematemesis
- 9) \_\_\_\_\_ is mainly prepared from cologne water, thinner, varnish and French polish  
(a) Illicit liquor (b) standard liquor  
(c) Both (a) and (b) (d) None of the above
- 10) \_\_\_\_\_ is a digital device for estimating alcohol content from a breath sample.  
(a) Breath analyser (b) Blood analyser  
(c) Breath detector (d) blood detector

(P.T.O)

**Q-2 Answer the following: (Any 10)**

**(20)**

1. Define Forensic Toxicology
2. Define Sign and give its example
3. Give sign and symptoms of Dhatura.
4. Give legal definition of Death.
5. Explain sudden death.
6. Define Forensic medicine
7. Define Secretion.
8. What is Secretor and Non-Secretor Status.
9. Define Vomiting
10. Define: Arson.
11. Give the effect of alcohol on human body weight.
12. State the rules of fire Origin.

**Q-3(A)** Write short note on Ryle's tube with diagram.

**(5)**

**(B)** State the factors affecting intensity of poison.

**(5)**

**'OR'**

**Q-3(A)** Give collection of toxicological evidence in case of dead subject.

**(5)**

**(B)** Write short note on: Psychological and Physical Dependence.

**(5)**

**Q-4(A)** Give the following presumptive tests for death in human

**(5)**

(i) Mirror Test (ii) Bowl Test (iii) Pressure test

**(B)** Give classification of wounds according to causing factors.

**(5)**

**'OR'**

**Q-4(A)** Explain about various types of Abrasion.

**(5)**

**(B)** Give factors which influence the formation and appearance of bruises.

**(5)**

**Q-5(A)** Write a short note on Pus and its formation with labeled diagram.

**(5)**

**(B)** Write a short note on composition of saliva and Give Starch-Iodine Test

**(5)**

**'OR'**

**Q-5(A)** Write a short note on Tear

**(5)**

**(B)** Explain Wet Test and Stain Test for blood

**(5)**

**Q-6(A)** Write a short note on "Tetrahedron of fire"

**(5)**

**(B)** Explain in detail the stages of alcohol.

**(5)**

**'OR'**

**Q-6(A)** Give odour of various flammable materials.

**(5)**

**(B)** Give the classification of liquor in detail

**(5)**

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