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Question Paper Code: 59B04

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2019

Elective

Biomedical Engineering

15UBM904- FORENSIC SCIENCE

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Forensic science is the application of science to _____.? CO1- R
(a) Criminal and civil laws (b) Justice system (c) Humanity (d) Both a and b
2. _____ is the father of fingerprinting. CO1- R
(a) Hans gross (b) Henry Faulds (c) Albert osborn (d) Francis Galton
3. Adulteration of food comes under _____. CO2- R
(a) White collar crime (b) Crime against public health
(c) Blue collar crime (d) Red collar crime
4. National security act was passed in _____. CO2- R
(a) 1990 (b) 1960 (c) 1970 (d) 1980
5. Modern Indian police system is a creation of _____. CO3- R
(a) Ancient indian rulers (b) British rule
(c) French rule (d) Republic india
6. Abbreviation for SP is _____. CO3- R
(a) Superintendent of police (b) Sub inspector of police
(c) Supervisor of police (d) Sub registrar of police

7. Byte marks include _____ . CO4- R
- (a) A small bleeding spot (b) A small bleeding spot
(c) Ruptured blood vessels (d) All of the above
8. _____ testing of evidence has overturned many convictions that relied on CO4- R
hair analysis.
- (a) DNA (b) RNA (c) Tissues (d) Culture
9. A person appointed for participating in investigation conducted by CO5- R
other state is called _____
- (a) Accredited representative (b) Adviser (c) CBI (d) Analyser
10. Modus operandi means _____ CO5- R
- (a) Investigation (b) Crime scene
(c) Bureau (d) Mode of operation

PART – B (5 x 2= 10 Marks)

11. Define anthropometry and its significance. CO1- U
12. Analyse people's participation in crime prevention. CO2- U
13. Give the various categories of sketches. CO3- U
14. Define Anthropology. CO4- R
15. What is mean by Burglary? CO5- R

PART – C (5 x 16= 80 Marks)

16. (a) Explain the historical background of forensic science in India. CO1- U (16)
- Or
- (b) Contrast the organizational setup of forensic science in both state CO1- U (16)
and central level.
17. (a) Discuss in detail about criminal justice system in India. CO2- U (16)
- Or
- (b) Write in detail about various paramilitary forces in India. CO2- U (16)
18. (a) Explain the significance of photography and videography while CO3- U (16)
examining the crime scene.

Or

- (b) Discuss about the significance and evaluation of crime scene. CO3- U (16)
19. (a) Explain the necessity of blood spatter analysis and steps involved in it. CO4- U (16)
- Or
- (b) Discuss in detail about DNA analysis and steps involved in it. CO4- U (16)
20. (a) Explain the role of modus operandi bureau in crime investigation of road accidents. CO5- U (16)
- Or
- (b) Explain cause and investigation of a real-time air crash case study. CO5- U (16)

