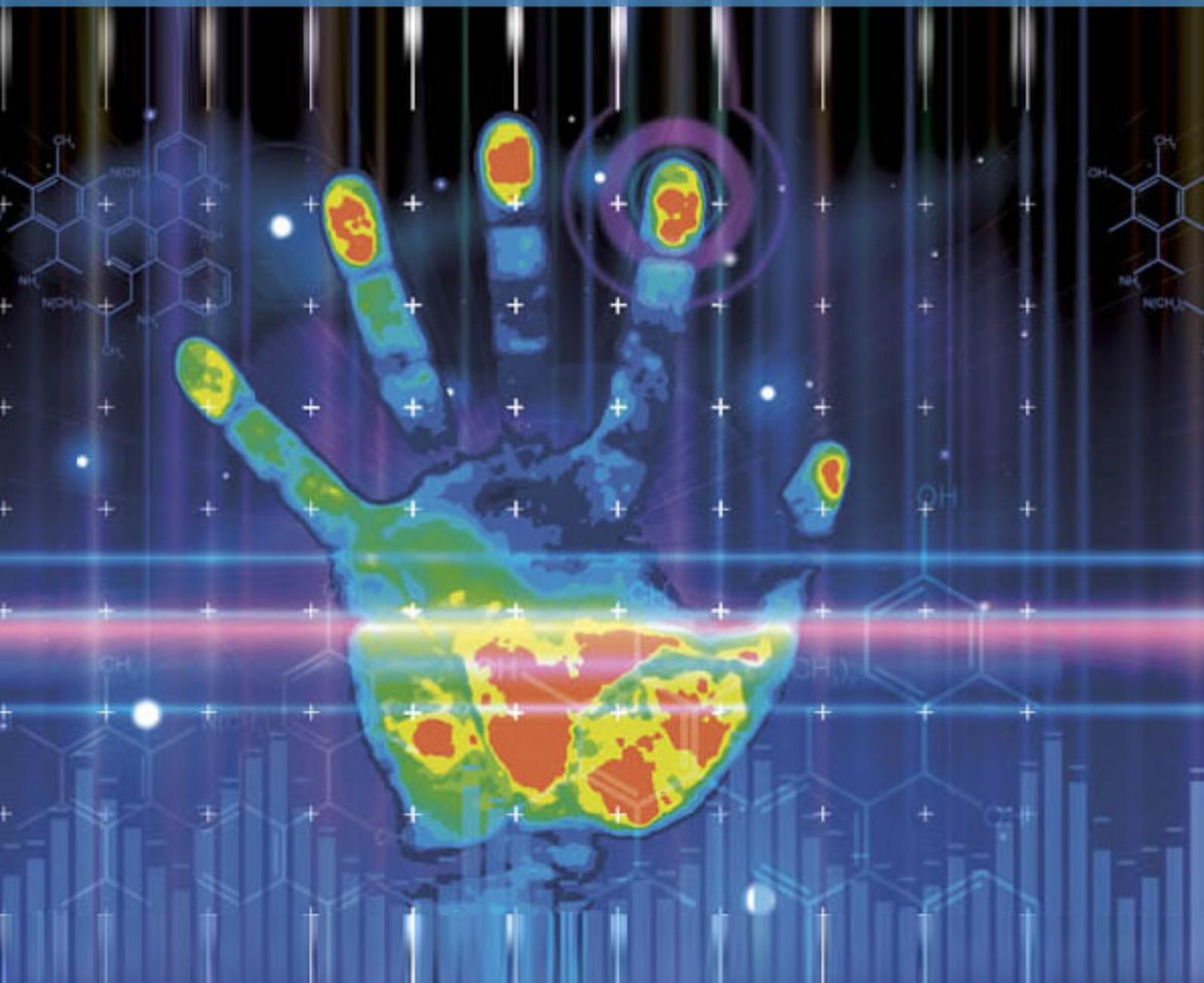


CBSE UGC NET Previous Year 2012-14



Solved Question Papers
Forensic Science Paper-II
(June-Dec)

CBSE NET Forensic-Science June-2012 Solved Paper II

•

1. Bertillonage is synonymous term to

- a. Anthropometry
- b. Dactyloscopy
- c. Portrait Parle
- d. Serology

Answer: a

2. Sherlock Holmes was a character in the novel of

- a. Arthur Conan Doyle
- b. Agatha Christie
- c. Perry Mason D Victor Hugo

Answer: a

3. Latent Finger print on electric bulb should be preserved by putting in

- a. Cardboard box
- b. Fixed in a bulb holder in wooden box
- c. In a cellophane bag
- d. Paper bag

Answer: b

4. A ridge that forks and forms a complete circle and then becomes a single ridge again is called as

- a. Island
- b. Bifurcation
- c. Fork
- d. Anastomosis

Answer: d

5. In India the new Central Forensic Science laboratory is not started at

- a. Ahmedabad
- b. Bhopal
- c. Guwahati
- d. Pune

Answer: a

6. The concept of poroscopy was given by

- a. Karl Landsteiner
- b. Burrard
- c. Edmond Locard
- d. Hans Gross

Answer: c

7. The layer of cells between the epidermis and dermis is called as

- a. minutiae
- b. dermal papillae
- c. sweat pores
- d. friction ridges.

Answer: b

8. Salylation is used in

- a. Gas liquid chromatography
- b. Mass spectrometer
- c. Atomic absorption spectrometer
- d. Atomic emission spectrometer

Answer: a

9. The image seen through a compound microscope is

- a. Virtual
- b. Real

- c. False
- d. Imaginary

Answer: a

10. NMR is a tool to investigate

- a. Nuclear structure
- b. Electron structure
- c. Scattering effect of light
- d. Reflecting effect of light

Answer: a

11. MCT detector is used in

- a. FTIR spectrometry
- b. AAS
- c. GC-MS
- d. LC-MS

Answer: a

12. In SEM, the incident beam is focused by means of

- a. Lens
- b. Mirrors
- c. Electromagnets
- d. Slits

Answer: c

13. Following instrument can view a particle under a microscope while at the same time a beam of light is directed at the particle in order to obtain its absorption spectrum

- a. Atomic force microscope
- b. XRF spectrograph
- c. Micro spectrophotometer
- d. XRD spectrograph

Answer: c

14. Ninhydrin reacts with amino acids present in fingerprints to form a coloured compound is called as

- a. Dimethyl formamide
- b. Pervanadyl
- c. Vanadyl
- d. Ruhemann's purple

Answer: d

15. O-tolidine is 3, 3dimethyl derivative of

- a. Phenopthaline
- b. Benzidine
- c. Sodium acetate
- d. Sodium chloride

Answer: d

16. Serum protein polymorphism are demonstrated by

- a. HPLC
- b. Centrifugation
- c. GC-MS
- d. Electrophoresis

Answer: d

17. The following technique is used to identify the enzymes in blood samples:

- a. Southern blotting
- b. Electrophoresis
- c. TLC
- d. Northern blotting

Answer: b

18. Match the following:

List-I

List-II

a. Central pocket loop

a. Contains no delta

- | | |
|------------------------|---|
| b. Arches | b. Contains two loops opening on the same side |
| c. Twinned loop | c. Contains one core and two delta |
| d. Lateral pocket loop | d. Contains two loops opening at opposite sides |

A B C D

- a. 3 1 2 4
- b. 2 3 1 4
- c. 4 3 2 1
- d. 3 1 4 2

Answer: b

19. • **Assertion (A):** In disputed paternity and maternity cases, it is not possible to determine the blood group of the child.
- **Reason (R):** The blood groups are not inherited as per Mendelian law of inheritance.
- a. Both A and R are correct.
- b. A is incorrect, but R is correct.
- c. Both A and R are incorrect.
- d. R is incorrect and A is correct.

Answer: c

20. Application of ABO grouping in disputed paternity was first used by

- a. Landsteiner
- b. Hirschfeld
- c. Bernstein
- d. Ottenberg

Answer: d

21. Genes which exists as alternate expressions at a particular locus is known as

- a. Loci
- b. Antigen
- c. Allele
- d. Phenotype

Answer: c

22. Kozelaka and Hine method is used for the quantitative estimation of

- a. Ethyl Alcohol
- b. Opium
- c. Cocaine
- d. Cannabis

Answer: a

23. The following colour tests is applied for the detection of halogenated hydrocarbons?

- a. Fujiwara Test
- b. Koppanyi-Zwicker Test
- c. Sodium nitroprusside
- d. Cobalt thiocyanate

Answer: a

24. The following is a poisonous mushroom species:

- a. Amanita phalloides
- b. Morchella esculenta
- c. Boletus edulis
- d. Cantharellus cibarius

Answer: a

25. Scott's test is applied for the detection of

- a. Amphetamines
- b. Barbiturates
- c. Opiates

d. Cocaine

Answer: d

26. The active ingredients of cannabis are collectively known as

- a. Cannabinoids
- b. Annabinoids
- c. Cannazoids
- d. Cannatedois

Answer: a

27. For preparing Heroin which of the following is used as acetylating reagent?

- a. Acetic anhydride
- b. Sodium hydroxide
- c. Ammonium hydroxide
- d. None of the above

Answer: a

28. Blood alcohol concentration (BAC) is measured in

- a. Weight/volume percent
- b. Volume/volume percent
- c. Weight/weight percent
- d. None of above

Answer: a

29. The detection of colostrum is essential in the following situation:

- a. Concealment of birth
- b. Rape
- c. Paternity dispute
- d. Immigration

Answer: a

30. Match the following:

List-I

- a. P30
- b. Creatine
- c. Ptyaline
- d. PGM

List-II

- a. Blood
- b. Saliva
- c. Urine
- d. Semen

A B C D

- a. 4 2 1 3
- b. 3 2 4 1
- c. 4 3 2 1
- d. 1 2 3 4

Answer: c

31. Radial Diffusion Test is used for the detection of

- a. Colostrum
- b. Heptoglobulins
- c. Hemoglobin
- d. Amylase

Answer: d

32. Human hair when examined under microscope will reveal

- a. Thick cortex and thin medulla
- b. Thin cortex and thick medulla
- c. Cortex and medulla with equal thickness
- d. None of the above

Answer: a

33. In starch-iodine test, the starch turns in the following colour on addition of iodine:

- a. Purple
- b. Blue
- c. Green
- d. Pink

Answer: b

34. Accumulation of epithelial skin tags at the end of a wound is seen in which of the following?

- a. Abrasion
- b. Incised
- c. Split laceration
- d. Chop wound

Answer: a

35. Match the following constituents of paints:

List-I

List-II

- | | |
|----------------|---|
| a. Vehicle | a. Used in a polymer to increase its flexibility |
| b. Lacquer | b. Pigment distribution |
| c. Varnish | c. Fast-drying coatings |
| d. Plasticizer | d. Solution of drying oils and resins in organic solvents |

A B C D

- a. 3 1 4 2
- b. 2 1 4 3
- c. 4 3 2 1
- d. 2 3 4 1

Answer: d

CBSE UGC NET Previous Year 2012-14 Solved Question Papers Forensic Science Paper-II (June-Dec)



Publisher : Faculty Notes

Author : Panel of Experts

Type the URL : <http://www.kopykitab.com/product/9331>



Get this eBook