

## Forensic Document Examination

### Answer Key

(Correct Answers are marked in bold letters)

#### Section - A Forensic Aptitude

1. Vijay Singh (Golf player) is from which country?
  - a) UK
  - b) USA
  - c) India
  - d) Fiji**
  
2. Which of these is the plant important in sericulture?
  - a) Cassia
  - b) Legumes
  - c) Pea
  - d) Mulberry**
  
3. Which of the following Himalayan regions is called "Shivalik's"?
  - a) Upper Himalayas
  - b) Lower Himalayas
  - c) Outer Himalayas**
  - d) Inner Himalayas
  
4. United Arab Emirates is federation of how many Emirates
  - a) 6
  - b) 7**
  - c) 5
  - d) 8
  
5. Who amongst the following is a winner of Ramon Magsaysay Award?
  - a) Vinobha Bhave
  - b) Dara Khurody
  - c) Tribhuvandas patel
  - d) All of the above**
  
6. Cinder Cone is a type of
  - a) Dress
  - b) Volcano**
  - c) Human Disease
  - d) None of the above
  
7. Who of the following is not a hockey player?
  - a) Birendra Lakra

- b) Dhyan Chand  
c) Dhanraj Pillai  
d) **Bajrang Punia**
8. There are \_\_\_\_\_ views on the issue of giving bonus to the employees  
a) independent  
b) **divergent**  
c) modest  
d) adverse
9. What is the missing letter in this series?  
b e h k n ? t  
a) **q**  
b) r  
c) s  
d) u
10. There are twenty-four students in a certain class. For every nine girls there are three boys. How many girls and how many boys are there in the class?  
a) 19 and 5  
b) **18 and 6**  
c) 15 and 9  
d) 14 and 10
11. FISH: SCHOOL  
a) **wolf: pack**  
b) cow: farm  
c) herd: peacock  
d) elephant: jungle
12. While making Crime Scene Sketch location of interest on the walls or elsewhere in the enclosed space are best shown using  
a) Triangular method of sketching  
b) Base line method of sketching  
c) **Cross projection method of sketching**  
d) Compass point method
13. Magnification range from 2X to 250000X is possible from:  
a) Fluorescence microscope  
b) Polarizing microscope  
c) **Electron microscope**  
d) Stereo zoom microscope
14. Who conducts the assessment during the accreditation process?  
a) Lab technicians

- b) Competent authorities  
c) **External assessors**  
d) Police officers
15. Which principle emphasizes the use of Scientific methods and Techniques in Forensic Analysis?  
a) Frye Standard  
b) **Daubert Standard**  
c) Principle of Exclusion  
d) Alphonse Bertillon's Principle
16. What is the full form of RTGS?  
a) Ready Transaction and Gross Settlement  
b) **Real Time Gross Settlement**  
c) Real Transaction and General Settlement  
d) Real Transaction Gross Settlement
17. The founder of the Innocence Project, an organization dedicated to using DNA evidence to exonerate wrongfully convicted individuals, is:  
a) Dr. Michael Baden  
b) Dr. Henry C. Lee  
c) **Dr. Barry Scheck**  
d) Dr. Paul L. Kirk
18. If the sum of two number is 32 and their difference is 16, the smaller number would be  
a) 6  
b) **8**  
c) 16  
d) 18
19. In India Inquest in Dowry Death is done by  
a) Police  
b) Coroner  
c) **Magistrate**  
d) Medical examiner
20. Hands of a clock overlap/coincide in a day  
a) 24 times  
b) **22 times**  
c) 6 times  
d) 12 times
21. How many cores and deltas are present in a whorl  
a) **Two deltas and one core**  
b) One delta and two cores

- c) Two deltas and two cores  
d) One delta and one core
22. Detection of deception means  
a) Psychological profiling of a suspect  
b) Examining mental condition of suspect  
c) **To find out whether the suspect is misleading**  
d) To elicit number of crimes committed by the suspect
23. Order for exhumation can be given by  
a) District Collector  
b) Additional District Magistrate  
c) Sub-collector  
d) **Any of the above**
24. The Electromagnetic Spectrum's Infrared region stretches from:  
a) 380-740 nm  
b) 500-1mm  
c) 165-525 nm  
d) **760-1 mm**
25. Which of the following is used for three-dimension image?  
a) Compound Microscope  
b) Simple Microscope  
c) Transmission Electron Microscope (TEM)  
d) **Scanning Electron Microscope (SEM)**
26. Presence of a functional group in a compound can be established by using  
a) Chromatography  
b) **IR Spectroscopy**  
c) Mass Spectroscopy  
d) X-ray diffraction
27. Which of the following Microscope best for observing colorless cells  
a) Bright field microscope  
b) **Dark field microscope**  
c) Simple microscope  
d) Stereo microscope
28. A written or recorded statement made by someone who is not testifying in court is classified as:  
a) Physical evidence  
b) Demonstrative evidence  
c) **Hearsay evidence**  
d) Expert evidence

29. Which method involves searching a Crime Scene in a back-and-forth pattern, covering the area systematically?
- Spiral search method
  - Strip search method
  - Grid search method**
  - Quadrant search method
30. What is the purpose of using a baseline in Crime Scene sketching?
- To establish a reference line for measurements**
  - To indicate the direction of entry
  - To mark the location of evidence
  - To create a visual representation of the crime scene
31. What is the recommended procedure for Photographing individual pieces of evidence at a crime scene?
- Capture only one angle for each item
  - Use a flash for better visibility
  - Photograph each item in context and from multiple angles**
  - Avoid photographing evidence to prevent contamination
32. Which is the only nation to have won both the FIFA Football World Cup and the FIFA Women's Football World Cup?
- Brazil
  - Italy
  - Argentina
  - Germany**
33. These are Sketching methods in crime scene, except
- Rectangular co-ordinate method
  - Spiral co-ordinate method**
  - Triangular co-ordinate method
  - Polar co-ordinate method
34. In crime scene reconstruction, what does the term "trajectory analysis" refer to?
- The path of a projectile through space**
  - The sequence of events leading up to the crime
  - The psychological profile of the suspect
  - The time of day the crime occurred
35. ISO/IEC 17025 accreditation for forensic laboratories in India ensures:
- Adherence to forensic procedures only
  - Quality and competence in testing and calibration**
  - Compliance with international trade regulations

- d) Exemption from regulatory audits
36. Which technique is suitable for separating large DNA fragments or whole chromosomes?
- Agarose gel electrophoresis
  - SDS-PAGE
  - Pulse-field gel electrophoresis**
  - Capillary electrophoresis
37. What role does the loading buffer play in electrophoresis?
- Provides mechanical support
  - Enhances sample conductivity**
  - Separates molecules based on charge
  - Regulates temperature
38. Determine the mode of the decision received seven days in a row:  
11,13,13,17,19,23,25
- 11
  - 13**
  - 17
  - 23
39. Chromatic aberration is also known as
- Colour fringing**
  - Colour filter
  - Both a &b
  - None of the above
40. In which of the following causing death a human being will be Culpable Homicide not amounting to murder:
- Causing an injury which is likely to cause death
  - Doing something which so imminently dangerous that it will cause death in all probability
  - Injury which the offender knows that it is likely to cause death of the person to whom the harm is caused
  - causing Injury which is sufficient in the ordinary course of nature to cause death**
41. For which offence can the Police arrest without a court order?
- Cognizable offences**
  - Bailable offences
  - Detention offences
  - Non-cognizable offences

42. Which of the following fibre is of mineral origin?
- Mohair
  - Nylon
  - Asbestos**
  - Rayon
43. Which of the following measures the spread of data?
- Mean
  - Median and interquartile range
  - First and third quartiles
  - Standard deviation and variance**
44. The term 'Eddy Diffusion' is used in which of the following analytical techniques?
- Microscopy
  - Chromatography**
  - Spectrophotometry
  - Differential thermal analysis
45. In an air crash case, the following method of survey is most useful
- Strip method
  - Spiral method
  - Zonal method
  - Wheel method**
46. In SEM, the incident beam is focused by means of
- Lens
  - Mirrors
  - Electromagnets**
  - Slits
47. In the following question, find the correctly spelt word
- Quintessance
  - Quintesance
  - Quintessence**
  - Quintassence
48. Which of the following is a robust tool for Analysis of adulteration of Petrol, Diesel and Kerosene
- Gas chromatography**
  - Spectrophotometry
  - Thin layer chromatography
  - Electrophoresis

49. Which of the following is designed to control the operations of a computer?
- a) User
  - b) Application Software
  - c) **System Software**
  - d) Utility Software
50. Which of the following is not a characteristic of a computer?
- a) Versatility
  - b) Accuracy
  - c) Diligence
  - d) **I.Q.**

**Section – B**  
**Forensic Document Examination**

51. Ball points inks are made up of essentially three main constituents:
- (a) An organic solvent, an alkaloid and resin
  - (b) A resinous thickener, an organic solvent and heavy metal salt
  - (c) An Inorganic salt, solvent and resin thickener
  - (d) **An organic colouring pigment an organic solvent and resinous thickener**
52. Which category of Electron microscope gives greater magnifications?
- (a) SEM
  - (b) **TEM**
  - (c) DEM
  - (d) Both SEM & DEM
53. “Off its feet” is a term used for a feature in the identification of:
- (a) Ink jet print out examination
  - (b) Hand writing examination
  - (c) Offset print out examination
  - (d) **Type writing examination**
54. Nobel Laureate Dannis Gaber, 1948 is known for scientific work on:
- (a) X-Ray diffraction
  - (b) Scanning Electron Microscope
  - (c) **Holography**
  - (d) Video Spectral Comparator
55. Spectral lines have wavelength and wave number which depends upon:
- (a) **Quantity of energy emitted by electron**
  - (b) quantity of electrons
  - (c) quantity of light

- (d) quantity of atoms
56. A charred document becomes completely black at a temperature of:  
(a) 90 degree Celsius  
**(b) 280 degree Celsius**  
(c) 350 degree Celsius  
(d) 400 degree Celsius
57. The HAUV film is laminated in Indian passports at a temperature of:  
**(a) 160-180 degree Celsius**  
(b) 140-160 degree Celsius  
(c) 120-140 degree Celsius  
(d) 100-120 degree Celsius
58. Electrostatic Detection Technique is used to examine which of the following. Select correct answer from given codes:  
(i) Erasures on the documents  
(ii) Inks of writings & signatures  
(iii) Indentations  
(iv) Secret writings  
Codes:  
(a) (i) is correct  
**(b) (iii) & (iv) are correct**  
(c) (ii) is correct  
(d) All are in correct
59. Which type of process gives detailed and clearer watermark:  
**(a) Cylinder Mould Process**  
(b) Dandy Roll Process  
(c) Drum Embossing Pad Process  
(d) Cylinder Wired Roll Process
60. "Herschel Effect" is a chemical concept used in the process of:  
(a) Digital photography  
(b) Colour photography  
**(c) Black & white photography**  
(d) Photo copying in photocopier
61. Luminescence is because of:  
**(a) Photons emitted while excited electrons drop down**  
(b) Knocking out of electrons by photons  
(c) Photons stimulated by photons  
(d) All

62. A Chi-square test involves a set of counts called “expected counts.” What are the expected counts?
- (a) Hypothetical counts that would occur if the alternative hypothesis were true
  - (b) Hypothetical counts that would occur if the null hypothesis were true**
  - (c) The actual counts that did occur in the observed data.
  - (d) The long-run counts that would be expected if the observed counts are representative
63. Up to how much volts electric charge is used in the ESDA for creating potential difference in the examination of indentations?
- (a) 6 Kilo Volts
  - (b) 9 Kilo Volts
  - (c) 8 Kilo Volts**
  - (d) 5 Kilo Volts
64. A Book titled “Detecting Forgery-Forensic Investigation of Documents” is authored by:
- (a) Ordway Hilton
  - (b) A. S. Osborn
  - (c) Joe Nickell**
  - (d) W. R. Harrison
65. ‘Rf’ factor is used in the examination of inks through the chromatography. It explains:
- (a) The distance of Mobile Phase
  - (b) Sum of relative absorption potential of phases
  - (c) Ratio of relative absorption potential of both the phases**
  - (d) Multiplication product of distances travelled by two mobile & stationary phases
66. Who invented the first paper machine?
- (a) Garry Ferguson (1750)
  - (b) Richard Brunell Reed (1790)
  - (c) Louis-Nicolas Robert (1798)**
  - (d) William Sharp (1781)
67. SRI and 3D Imaging facility is available in which equipment?
- (a) VSC-IC
  - (b) Regula
  - (c) Kappa Sequencer
  - (d) VSC 8000**
68. Which Chemical gives disappearing ink -disappears on drying but appears when treated with Ferric Chloride?
- (a) Potassium Ferrocyanide**

- (b) Cadmium Sulphide
  - (c) Magnesium Chloride
  - (d) Potassium Nitrate
69. The terms/terminologies such as ‘photographic memory’, ‘form blindness’ and ‘searching eye’ are first used by which one of the scientist in the field of Forensic Documents Examination?
- (a) Wilson R. Harrison
  - (b) Ordway Hilton
  - (c) A S. Osborn**
  - (d) David Ellen
70. What is full form of ASTM?
- (a) Association of Standards for Testing of Material
  - (b) Australian Standards for Test Materials
  - (c) American Society for Testing & Materials**
  - (d) Authority for Standard Testing & Material
71. Gothic Numbering- a Security Feature Generally Present in:
- (a) Indian Currency (Bank) Notes
  - (b) Only in Higher Denomination Indian Currency (Bank) Notes
  - (c) Passports**
  - (d) Aadhar Card
72. Which Section of Indian Evidence Act (IEA), includes the photocopies as ‘Secondary Evidence’ in court when an original document is not available for scrutiny by the court in a legal matter?
- (a) 61 IEA
  - (b) 63B IEA
  - (c) 63 IEA**
  - (d) 62A IEA
73. “International Ink Library” with more than 11,400 specific writing ink is maintained by:
- (a) The United States Secret Services.**
  - (b) The United States Postal Services
  - (c) The United States Federal Investigation
  - (d) The New York State Police Department (NYPD)
74. What is ‘Flocculation of Ink’?
- (a) An ink problem characterized by non-sticking to the writing surface.
  - (b) An ink problem characterized by self-fading over a period of time.
  - (c) An ink problem characterized by ink pigment becoming ‘undispersed’ and flock together in clumps.**

- (d) An ink problem characterized by changing pigment colour under sunlight resulting granulation.
75. Name the chemical which is not commonly used for carrying out the erasures on documents, from the given below codes:
- (a) Sodium Hypochlorite
  - (b) Oxalic Acid
  - (c) Potassium Permanganate
  - (d) Potassium Dichromate**
76. What is SWGDOC?
- (a) Scientific Watch Group for Documents
  - (b) Society of Working Groups for Documents
  - (c) Scientific Working Group for Forensic Document Examination**
  - (d) Scientific Work Groups for Document Examination
77. In which years the 'Criminal Procedure code', 'Indian Evidence Act' and 'Indian Penal Code' came into existence?
- (a) 1892, 1870 and 1861
  - (b) 1898, 1872 and 1860**
  - (c) 1890, 1860 and 1871
  - (d) 1872, 1860 and 1897
78. LSI security feature is generally present in:
- (a) Bank Notes
  - (b) Credit Cards
  - (c) Plastic Bank Notes
  - (d) Passports**
79. Evaluate the Assertion (A) and Reason (R) and select the correct answer from the given codes:
- Assertion (A):** Information regarding chronological history of paper constituents indicating their first-time introduction in the world market can be helpful in assessing the age of a documents.
- Reason (R):** On the basis of availability of information as stated in the above Assertion, it becomes possible to establish the exact date of preparation of any document
- Codes:
- (a) Both (A) and (R) are correct.
  - (b) (A) is correct, but (R) is incorrect.**
  - (c) (A) is incorrect, but (R) is correct
  - (d) Both (A) and (R) are incorrect
80. A statistical/mathematical study was conducted on 'Individuality of Handwriting' by a renowned scientist in USA, the name of the scientist is:
- (a) R.J Muehlberger
  - (b) McAlexander TV

- (c) **S. Srihari**  
(d) Sanderson J

81. A Forensic Lab is Accredited and certified as per NABL guidelines following ISO/IEC17025:2017 standards. In which year ISO/IEC was set up and where is its headquarter located?  
(a) **Year 1999/ Geneva**  
(b) Year 1989/ Paris  
(c) Year 1995/ Hauge  
(d) Year 1993/ Munich
82. Machine Identification Code Technology (MICT) is term related with the -  
(a) Examination of Computer printout by inkjet printers  
(b) Examination of digitally manipulated Documents  
(c) Examination of Printout of Analog Copier  
(d) **Examination of Printout of Colour Printers**
83. In 'Black Dollar' Scam, fraudsters used-  
(a) Genuine Stolen paper used in the printing of fake US Dollars  
(b) Use of Genuine Black US Dollar Printing Ink in the production of fake US Dollars  
(c) A Scam related with Special Genuine US Dollars Printed to commemorate George Washington Birth Anniversary  
(d) **Simple paper used and coated with Black coatings to dupe people under the pretext that it can turns into precious dollar**
84. Write On-2 is a Digital tool and platform for-  
(a) Probability calculation tool during handwriting examination on digital platform  
(b) Graphic Image Acquisition and measurement tool during handwriting examination  
(c) **Handwriting examination system for collection, dissecting and analysis of writing features**  
(d) Juxtaposition and side by side comparison of Handwriting only
85. Match the terms (List-I) with their relevant definition (List-II) and select the correct answer from the given codes:

List-I

List-II

- A. Criminalistics  
B. Forensic Stylistics  
C. White-collar Crimes  
D. Holography

1. Gerard McMenamin  
2. Dannis Gaber  
3. Edward Sutherland  
4. Gross Hans

Codes:

A                      B                      C                      D

(a)	3	2	1	4
(b)	4	3	2	1
(c)	3	4	1	2
(d)	4	1	3	2

86. 15-digit and 16-digit card numbers starting with digits 37/4/5 respectively are in credit cards-

- (a) Master/Visa and Amex credit card respectively
- (b) **Amex and Visa/ Master credit card respectively**
- (c) Visa and Master Debit Cards respectively
- (d) Amex and Master card debit cards respectively

87. Common Writing stick of the pencil is made up of which material?

- (a) Pigment, Silica and sometime dye mix
- (b) **Clay, Graphite mix**
- (c) Graphite, Silica and carbon powder mix
- (d) Graphite, pigment and clay mixed with carbon Hardening material

88. Author namely Mr J. Newton Baker's Book title is-

- (a) The Forensic Disputed and Forged Documents Examination
- (b) The Law and Disputed Documents
- (c) **The Law of Disputed and Forged Documents**
- (d) The Disputed Documents and their Examination- Principle and Practice

89. The 'Master Pattern' of a writer is mainly refers to the-

- (a) Line Quality, Speed and Forms
- (b) Fluency, Style and Line Quality
- (c) Movement, Speed and Rhythm
- (d) **Form, Movements and Spatial relationship**

90. Match the printers (List-I) with their respective characteristics (List-II) and select the correct answer from the given codes:

List-I

- A. Laser Printer
- B. Inkjet Printer
- C. Dot Matrix Printer
- D. Direct Thermal Printer

List-II

- 1. Does Not make use of ink or toner
- 2. Combination of dots
- 3. Crisp, straight edges of the copy
- 4. Blurred, rough edges of the dots and small spatters of ink along the printed line

Codes:

	A	B	C	D
(a)	1	2	3	4
(b)	4	1	2	3
(c)	3	4	2	1

(d)            2                    4                    1                    2

91. Match the name of the books (List-I) with their respective authors (List-II) and select the correct answer from the given codes:

List-I	List-II
A. Forensic Document Examination Principles and Practice	1. Huber & Headrick
B. Suspect Documents- Their scientific Examination	2. David Ellen
C. Scientific Examination of Documents Methods & Techniques	3. Wilson R Harrison
D. Handwriting Identification: Facts & fundamentals	4. Katherine M. Koppenhaver

Codes:

	A	B	C	D
(a)	1	2	3	4
(b)	2	1	4	3
(c)	3	4	1	2
(d)	4	3	2	1

92. Evaluate the Assertion (A) and the Reason (R) and select the correct answer from the given codes:

**Assertion (A):** Exact superimposition of two or more signatures is a sure indication of conventional traced forgery.

**Reason (R):** Since the signatures were produced by conventional tracing process, usual symptoms of forgery and line quality defects cannot be found in them.

Codes:

- (a) Both A and R are correct  
 (b) Both A and R are incorrect  
 (c) **A is correct, but R is incorrect**  
 (d) A is incorrect, but R is correct

93. Watermark designs introduced in the paper during manufacturing process do not normally indicate:

- (a) Manufacturer's identity  
 (b) Date of introduction of watermarks  
 (c) Any Secret or coded information  
 (d) **Expiry date of paper**

94. Select the solvent system that is most suitable for Thin Layer Chromatography (TLC) of blue ball point pen inks:

- (a) Ethanol: Acetone: Acetic Acid (4:1:5)  
(b) Amyl Alcohol: Acetic Acid: Pyridine (6:1:2)  
**(c) Ethyl Acetate: ethanol: Water (7:3:2)**  
(d) Amyl Alcohol: Acetic Acid: Chloroform (6:1:2)
95. 'Patching' is term usually concerned with the-  
(a) Semi Charred Document Examination  
**(b) Forgeries**  
(c) Obliterations  
(d) Correcting fluid masking
96. Which one is most suitable statement for 'initials'-  
(a) Authorship cannot be determined by initials  
(b) True reflection of all writing habits of a person  
(c) Most Difficult to copy or simulate  
**(d) Due to Brevity more liable for deceptive simulation**
97. Which of the following option is best related with the production of natural handwriting by the writer concerned?  
(a) Neurological Phenomenon  
(b) Physiological Phenomenon  
(c) Psychological Phenomenon  
**(d) Neuromuscular Phenomenon**
98. The Book on FDE titled 'Ames on Forgery' was published in the year-  
(a) 1904  
**(b) 1901**  
(c) 1903  
(d) 1905
99. 'Graphonomics' is term related with-  
(a) The study of science of handwriting and other skills by Quantitative statistical methods.  
**(b) The study of science and technology of handwriting and other graphic skills on conventional media or on electronic equipment**  
(c) Economical Aspects related with the profession of Forensic Document Examination as well as Economic offences and implications  
(d) None of the above
100. First British Govt. Examiner of Questioned Documents at Shimla was-  
(a) James Hardy  
(b) R Stott  
(c) F Brewster  
**(d) CR Hardless**

101. Who was an Eminent criminologist who said about FDE that- 'For all the identifications, the identification of Handwriting is most difficult one'
- (a) Danial Ames
  - (b) Richard Saferstein
  - (c) Wigmore JH
  - (d) Paul Kirk**
102. Section 292 CrPC pertains to the-
- (a) Expert Evidence related with Currency**
  - (b) Expert Evidence related with Passport
  - (c) Expert Evidence related with Forged Documents
  - (d) Expert Evidence related with All Documents
103. How many % Poly Vinyl Acetate solution is generally preferred for stabilization of the Charred Document?
- (a) 3%**
  - (b) 5%
  - (c) 8%
  - (d) 6%
104. Who coined the term White Collar Crimes?
- (a) Daniel Ames
  - (b) J Wigmore
  - (c) Paul Kirk
  - (d) Edward Sutherlands**
105. The Wove paper and laid paper differs in: -
- (a) Loading and sizing material
  - (b) Quality of wood pulp
  - (c) Surface Characters**
  - (d) Grammage of paper
106. Which instrument is programmed to evaluate the pressure, speed and rhythm of a person's signature?
- (a) Graphic-tech plate
  - (b) VSC XP Gen 1000
  - (c) Biometric signature pad**
  - (d) Digipad
107. Who is traditionally regarded as the inventor of paper?
- (a) Hui Shi
  - (b) Bi Sheng
  - (c) Liu Bang
  - (d) Ts` ai Lun**

108. This plant material can be used for the purpose of stabilization of the charred document.
- (a) Neem Mucilage
  - (b) Gum acacia**
  - (c) Gum Rosin
  - (d) Rubber Latex
109. The term blobbing refers to the-
- (a) An ink spot resulting from the pen resting on the paper momentarily before beginning or continuing the act of the writing.**
  - (b) An ink splash resulting from the pen vomiting on the paper before beginning the act of the writing.
  - (c) An ink spot resulting from the pen on the paper or strokes before beginning or continuing the act of the writing.
  - (d) None of the Above
110. In ball pen during writing sometimes the ink does not pass through the rolling ball and thus the production of strokes lacks ink in the strokes and produces an un-inked stroke. This phenomenon is called
- (a) Hiatus
  - (b) Pen pause
  - (c) Skipping**
  - (d) Termination
111. Which sections of Indian Evidence Act and IPC define a "DOCUMENT"?
- (a) Section 3 & 29 respectively**
  - (b) Section 6 and 28 respectively
  - (c) Section 4 and 30 respectively
  - (d) Section 28 and 29 respectively
112. The Court may direct any person present in Court to write any words or figures for the purpose of comparison with any words or figures alleged to have been written by such person. This power is vested by which section?
- (a) Section 73 in The Indian Penal Code
  - (b) Section 73 of the Indian Evidence Act**
  - (c) Section 23 of The Indian Evidence Act
  - (d) Section 13 of CrPC & 73 of IPC
113. Angular connection at the top and bottom of letters are seen in which handwriting movement?
- (a) Finger movement
  - (b) Wrist movement**
  - (c) Forearm movement
  - (d) Shoulder movement

114. A type of forgery in which the forger selects a model signature or writing and tries to copy the features after sufficient practice is called: -
- (a) Traced forgery
  - (b) Computerised forgery
  - (c) Forgery by imitation**
  - (d) Simple/transposition Forgery
115. Which section defines and deals with forgery?
- (a) Sec 363 & 464 of IPC**
  - (b) Sec 234 & 235 of Cr PC
  - (c) Sec 412 & 420 of IPC
  - (d) Sec 333 & 334 of IPC
116. CEDAR-Fox, a software made for recognition and comparison of handwriting was developed at
- (a) University of London
  - (b) University at Buffalo**
  - (c) University of Delhi
  - (d) FBI
117. Evaluate the following Assertion (A) and the Reason (R) and select the correct answer from the given codes:
- Assertion (A): Induced tremors in handwritten strokes that are non-uniform and inconsistent usually indicate forgery of signatures.
- Reason (R): Induced or fraudulent tremors cannot be readily distinguished from the natural tremors due to old age or illness.
- Codes:
- (a) Both A and R are true
  - (b) A is true, but R is false**
  - (c) Both A and R are false
  - (d) A is false, but R is true
118. What is 'Iteration'?
- (a) Determining the loss of resolution in the copy of photocopy
  - (b) Determining the percentage of enlargement factor in photocopy
  - (c) Determining the generation of the photocopy obtained from copier**
  - (d) Determining the type of photocopier on the basis of copy
119. Multicolour globules (MCGs) of ink are visible on enlargement of a document printed with technique of-
- (a) Color laser printing
  - (b) Color laser photocopying
  - (c) Dot Matrix printing
  - (d) Ink Jet printing**

120. 'Doctor Blade' is used to remove the excess of the ink from the platen/plate of printing surface, in case of -
- (a) Letter press printing
  - (b) Lithographic printing
  - (c) **Intaglio Printing**
  - (d) Thermal Printing

- End of Paper-

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