Note: 1) Answer may be written in English or Hindi.
2) All questions are compulsory

Q.1 Fill in the blanks. 10 marks

I The First finger print bureau of the world was established in _______ in the year ________

II Two Associates of Sir E.R. Henry ________________ and ________________ had been accepted as two Indian Pioneers of the world

III Ridge characteristics are also known as ____________ and ____________

IV Ninhydrin solution reacts with the ________________

V Contents of sweat are ________________ and ________________

VI Finger print evidence is ________________ u/s ________________

VII _______ is the term applied to the study of pore structure as a means of identification.

VIII _______ And ________ are the maximum available finger print patterns.

IX Delta may be formed by ________ or ________

X There are two arch type patterns: namely ________ and ________

Q2 State Whether True or False 10 marks

I Core and delta are necessary for finger print compression

II Identical twins have identical finger prints

III Palm prints are not admissible evidence

IV Taking finger prints of arrested person is violation of constitutions rights

V One single point of non-identity is sufficient to prove the non-identity between two prints

VI Creases are permanent

VII Fingerprints of male and female can be distinguished.

VIII Ridges are change after death

IX sole print is not useful for identification

X Latent finger prints (chance prints) may be destroyed by strong sun light and heat

Q.3 Find the primary classification formulae of the following for Record & Search. 10 marks

<table>
<thead>
<tr>
<th>Right Thumb</th>
<th>Right Index</th>
<th>Right Middle</th>
<th>Right Ring</th>
<th>Right Little</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Whorl</td>
<td>Ulnar loop</td>
<td>Missing</td>
<td>Amputated</td>
</tr>
<tr>
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<td>Left Index</td>
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<td>Left Ring</td>
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<tr>
<td>Amputed</td>
<td>Amputed</td>
<td>Whorl</td>
<td>Ulnar loop</td>
<td>W</td>
</tr>
</tbody>
</table>
Q.4   Answer the following (Any Two)  10 marks
I Which are the two basic principles of Finger Print Science? Explain it.
II Write in brief about the Automated Finger Print Identification System (AFIS)
III How will you take finger prints of dead body when rigours mortis has set in?

Q.5   Write in brief the contribution of the following in finger print science (any four)  10 marks
I Sir William Herschel
II Sir E.R. Henry
III Sir Francis Galton
IV Dr. Henry Faulds
V Sir Edmond Locord
VI Aziz-ul-Haque and Hemchnader Bose

Q.6   Write Short On Any Two  10 marks
I Digital Photography
II Finger print live scanner
III UIDAI (Aadhaar Card)

Q.7   Answer the following  10 marks
I Who is an Expert in accordance with the provision of law? (3 marks)
II Under which section of law you can take the finger prints? (4 marks)
III Give Details under which finger print evidence is admissible in court of law? (3 marks)

Q.8   How will you develop chance prints on the following articles? (Any 10)  10 marks
1) On currency note.
2) Blood stain sword.
3) Old document.
4) Brown leather Bag.
5) T.V. Screen.
6) Steel Handle of the car
7) Dust print on Table.-
8) Rear view mirror of a car.
9) A piece of soap
10) White painted door
11) Transparent Glass Tumbler
12) Cover page of a multi-colored magazine
13) Bottle smeared with oil
14) Black Polythene bag
15) Wooden Surface

Q.9   Answer the following  10 marks
Explain in brief the difference between forged prints & Genuine prints.

Q.10  Answer the following  10 marks
What is the objective of finger print science? How it is useful for Police Department and other purposes?