Handwriting Examination

Handwriting Characteristics

1. Size
2. Writing speed
3. Writing style
4. Word spacing
5. Line spacing
6. Paragraph
7. Paragraphing
8. Handwriting
9. Signature
10. Autograph
11. Letter
12. Spacing
13. Stylus
14. Coloring
15. Stylus markings
16. Inking

Handwriting: Individual or Class evidence?

1. Class Characteristics
   - Features and dimensions of letters
   - Consistency of letters in each word
   - Consistency in spacing
   - Consistency in size

2. Individual Characteristics
   - Unique features of letters
   - Individuality of handwriting
   - Selection of special names
   - Selection of special forms
   - Selection of special styles
   - Selection of special techniques

Basic Characteristics For Comparing Handwriting

1. Class vs. Individual
   - Size
   - Writing speed
   - Writing style
   - Word spacing
   - Line spacing
   - Paragraph
   - Paragraphing
   - Handwriting
   - Signature
   - Autograph
   - Letter
   - Spacing
   - Stylus
   - Coloring
   - Stylus markings
   - Inking

Handwriting Identification

1. Analysis of the known writing with administration of the characteristics
2. Analysis of the questioned writing
3. Consequence of the examination with the known writing
4. Comparison of the questioned writing to the known writing
5. Similarity of the questioned writing to the known writing

Analysis of handwriting samples:

Jack and Jill went up the hill.
Shaky or nervous:
Jack and Jill went up the hill.
Juvenile or deliberate:
Jack and Jill went up the hill.
2. Spacing:
Left margin is even:
Our business in Switzerland is great. We are growing over one million dollars a year. We know this will double by the next decade.

Left margin is jagged:
Our business in Switzerland is great. We are growing over one million dollars a year. We know this will double by the next decade.

Example:
Jack and Jill went up the hill.

Space between capital letters and small letters:
J A C K a n d j I L L w e n t u p t h e h i l l.

3. Size and proportion:
Height of overall writing:
Jack and Jill went up the hill.

Height of short to tall letters:
J A C K a n d j I L L w e n t u p t h e h i l l.

Evidence of eliminating strokes:
Jack and Jill went up the hill.

Evidence of increasing strokes:
Jack and Jill went up the hill.

4. Perilites:
Removes pen entirely before starting new word:
Jack and Jill went up the hill.

Pen continues on paper close to next word:
Jack and Jill went up the hill.

5. Connecting strokes, ending, and beginning strokes:
Do they begin as flourished or embellished? Do they end flourished?

Do they begin as inflexible and straight? Do they end abruptly?

Examples:
My
M
6. Does the letter begin at the top of the page?
Does it continue to the end of the page?
Does it stop or start in the middle?

7. Any unusual letter formation?

8. Pen pressure:
Light:
Jack and Jill went up the hill.
Medium:
Jack and Jill went up the hill.
Heavy:
Jack and Jill went up the hill.

Right slant to letters:
Jack and Jill went up the hill.

Left slant to letters:
Jack and Jill went up the hill.

Straight on line:
Jack and Jill went up the hill.

Any unusual strokes?

My J Don.
Speed

- Speed can be important.
- Speed can be important.
- Speed can be important.

Handwriting Samples

1. The sample should not be altered the signature is acceptable.
2. The sample should not indicate a style of handwriting.
3. The sample should be written by the person who will sign the document.
4. The sample should be written in the same handwriting.
5. The sample should be written in the same handwriting.
6. The sample should be written in the same handwriting.

Equipment Used in Document Analysis

Electronic Optical Character Recognition

- The equipment is used to recognize a document.
- The equipment can be used to recognize a document.
- The equipment can be used to recognize a document.
- The equipment can be used to recognize a document.

Video Spectral Enlargement

- A video camera is used to enlarge a document.
- A video camera is used to enlarge a document.
- A video camera is used to enlarge a document.
- A video camera is used to enlarge a document.

Infrared Reflectance

- Infrared Reflectance is used to view the number of pages.
- Infrared Reflectance is used to view the number of pages.
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Thank You