

QD PRACTICAL SESSION-1

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HANDLING OF DOCUMENTS & QUESTIONED DOCUMENTS

- Always gloves while handling documents.
- The document must always be kept unfolded.
- Store it in a separate and proper size envelope or a folder.
- Scan the document and store its photocopy.
- Avoid touching the document frequently.
- Every touching, folding and refolding of the document can change the physical condition of the document.

HANDLING OF DOCUMENTS & QUESTIONED DOCUMENTS

- Pointing a document with any other instruments, such as a sharp stick can cause damage which may not be seen with the naked eye, can show definite marks under the microscope or on an enlarged photograph.
- No test should be made to alter the conditions of the document (eg: non-destructive methods).
- Always store the document in a dry place away from excessive heat store light.

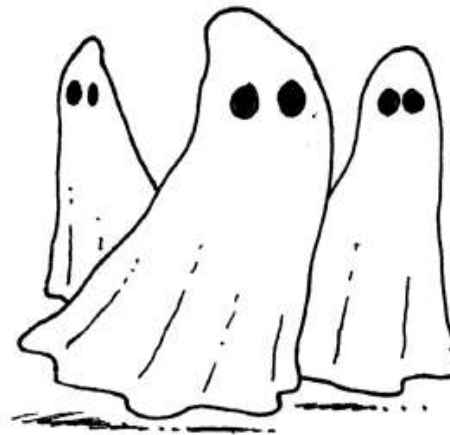
HANDLING OF DOCUMENTS & QUESTIONED DOCUMENTS

- Avoid drinking beverages/eating food around the documents.
- Do not underscore, make careless markings, write, erase or stick anything on the documents.
- Do not carry the documents carelessly in a notebook/bag. Always maintain a folder.
- Never punch holes/staple the documents.

HANDLING OF DOCUMENTS & QUESTIONED DOCUMENTS

- Do not allow anyone except a qualified specialist to make chemical or other tests.
- Do not treat or dust for latent prints before consulting a document examiner.
- Do not impress stamps/markings without consulting the respective authority.

INVISIBLE/SECRET WRITINGS



If a hand is invisible, how do we
know it's there?

What are they?

- Written communication that is hidden and cannot be seen with naked eye; thus, require few developing methods. The purpose of secret writing is to make the written text unreadable by another person who is exposed to the message.
- It was a source of communication for prisoners, by the Government during the times of war, etc.

What are they?

- They are also called as Sympathetic inks, Disappearing ink and Security ink.
- Any colourless fluid which does not evaporate immediately is known as a "secret ink".
- Usually the writing device used for executing a secret writing varies from paint-brush, pens without ink, toothpick, nibs, buds, etc.

What are they?

- They dry up after few hours of application on paper, hence making it difficult for the reader to read with naked eye.
- These writings can be deciphered by both physical and chemical methods.
- Lemon/onion/apple/orange juice, milk, saliva, urine, vinegar, blood, semen, soap, detergents, sunscreen, etc.

PRACTICAL-1

(1) MILK

CHEMICAL & MECHANICAL ERASURES



Erasure

- An act or instance of erasing/deleting/removing.

Mechanical Erasure

- Removes a portion of the surface of paper (Mill-finish).
- Makes the paper thinner at spot treated.

Chemical Erasure

- Liquid applied will always remove the Mill-finish.
- Does not make the paper thinner at spot treated.

Things to keep in mind while examining Erasures.

- Examination of whole paper surface.
- Comparison of line quality of the writings.
- Examination of serial number on the document in order to see whether it shows any irregularity.
- Comparison of exact tint and quality of ink.

Things to keep in mind while examining Erasures.

- Comparison of width of pen-lines.
- Search for discolouration due to chemical erasures.
- Examination of style, slant, size, speed and other writing characteristics. (Check for uniformity)
- Examination of odour of any chemical (chlorine).
- Examination of back-side of the paper to check for ant stains/indentations.

Things to keep in mind while examining Erasures.

- Spreading or running of ink.
- Check for any fibre difference of paper.
- Use oblique light for preliminary examination.
- Check whether the writings are written within the same base-line.

Indented Writings

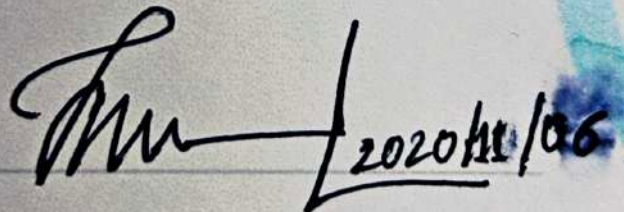
- Indented writings or second page writings, is the impression from the writing instrument captured on the sheets of paper below one that contains the original writing.
- It can be a source of anonymous notes/letters.
- In most of the television/movie plots, recovery of indented writing is a part of solving a clue. The media method to "read" suspected pages was to rub a soft lead pencil or carbon paper over the surface of the document.

Indented Writings

- The indentations would be highlighted in relief.
- Although entertaining, the fact that this technique is one way to ruin or destroy what might be a valuable evidence, should serve as a warning against amateur examinations.
- Recovered by photography, VSC or ESDA.

Give your
observations.

*achievement, remarkable leadership,
Diamond Media Group milestones and
rest hope that you will continue to be an
Group, to inspire your colleagues, and
under our roof. Thank you.*

 2020/11/06

President and CEO, Carrie Johnson

2020.10.05

PRACTICAL-2

- (1) Chemical & Mechanical Erasure
- (2) Indentations

DIFFERENCE IN TINT OF INK



INK

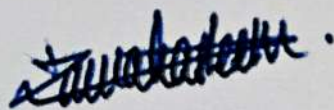
- Often an alteration or obliteration may be discovered and deciphered, or an ink differentiation determined by the document examiner.
- The obvious and discernible evidence of a second writing instrument may well prove that an addition, after the fact, has taken place.
- Occasionally, an examination of what appears to be a rather straightforward medical record reveals a trail of deception and attempts to mask evidence of wrong doing.

1.	Green Ball Pen
2.	Blue Ball pen - 1
3.	Blue Ball pen - 2.
4.	Blue Gel pen
5.	Black sketch Pen
6.	Black Ball pen.
7.	Pencil
8.	Red Ball pen
9.	Red colour pencil

PRACTICAL-3

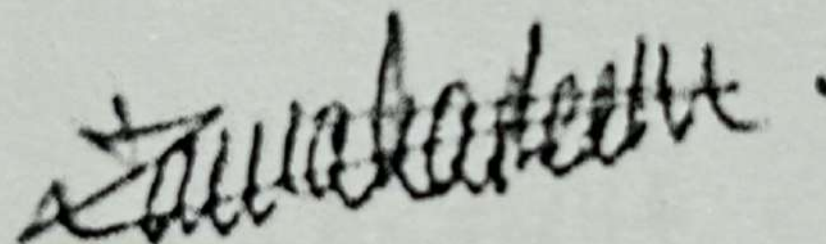
(1) Difference in tint of inks

l achievement, remarkable leadership,
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Group, to inspire your colleagues, and
e under our roof. Thank you.

A handwritten signature in black ink, appearing to read "Carrie Johnson".

President and CEO, Carrie Johnson

2020.10.05

A decorative graphic consisting of a thick arc, colored yellow and orange, positioned below the date.A handwritten signature in black ink, appearing to read "Carrie Johnson".

SUPERIMPOSITION



PRACTICAL-4

(1) Superimposition