















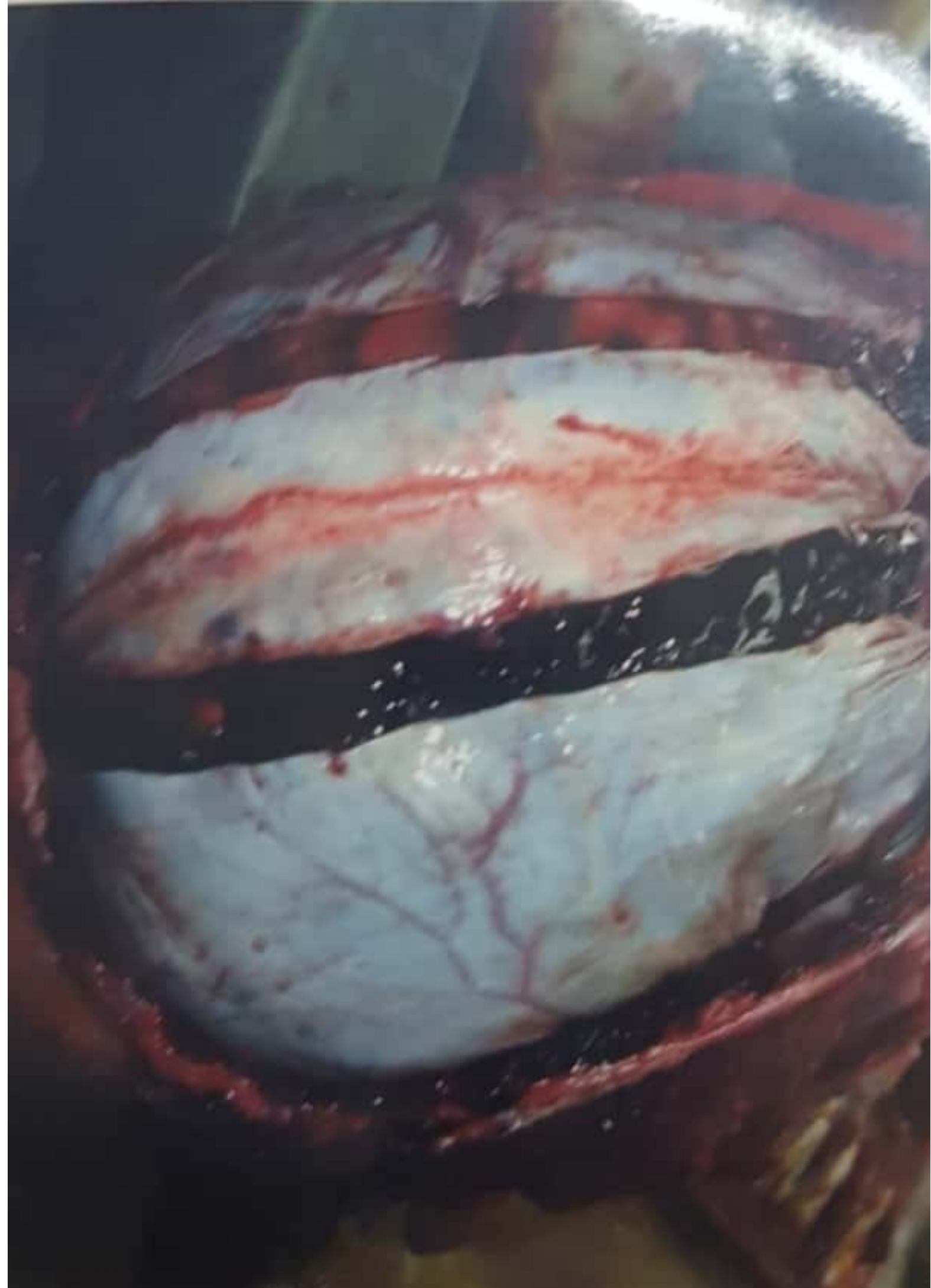






















PM 11/1/13
Rena

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YE-20-09-2007
KIMS, BANGALORE



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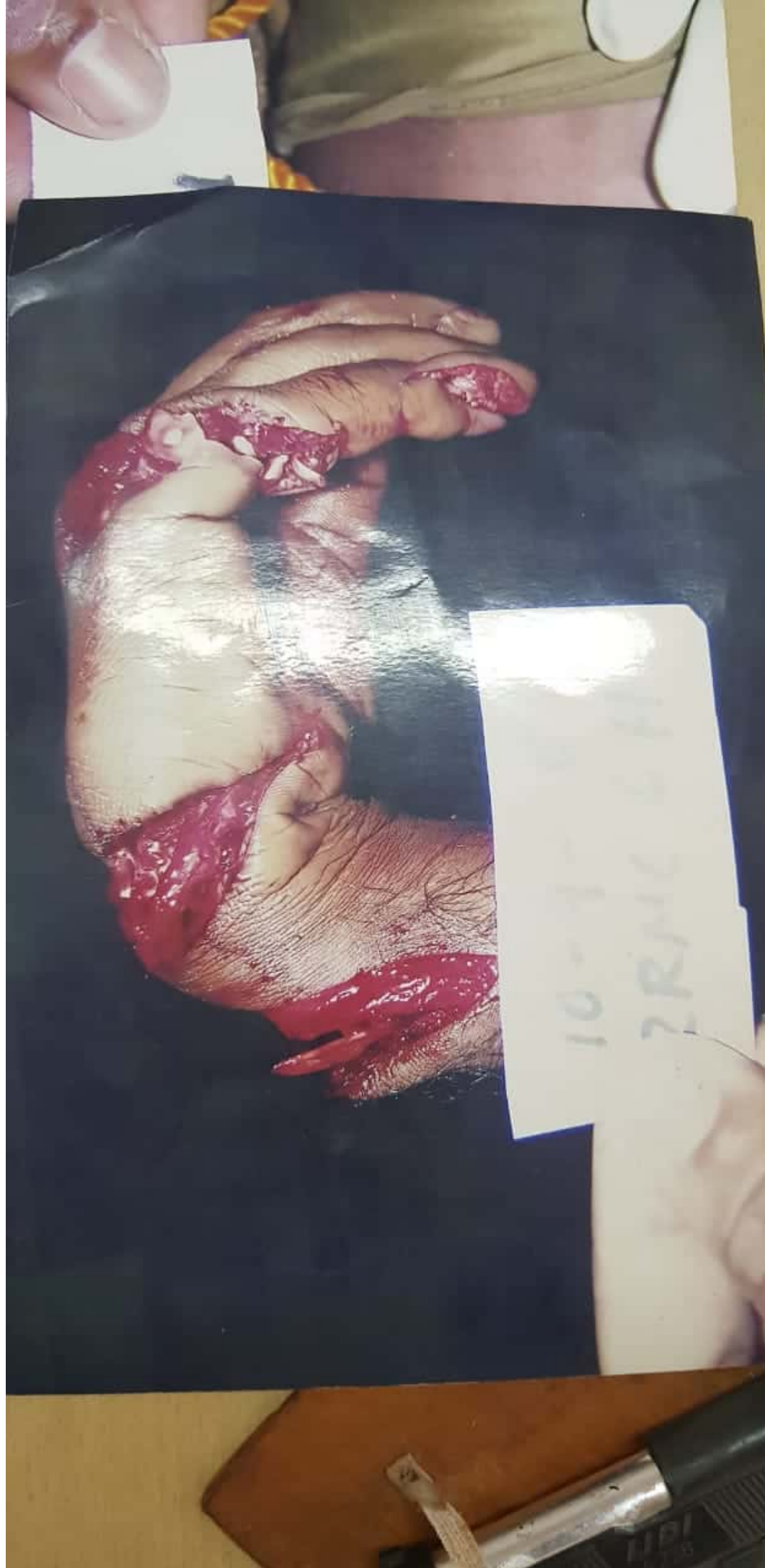
















FORENSIC MEDICINE

PRACTICAL EXAMINATION

Maximum Marks:7

Time: 20 Minutes

CERTIFICATION OF POTENCY

- A. Read the data given below. Write the opinion with reasoning. (1 marks)
B. Answer the questions. (6 marks)

Sanjay, a 30 years, driver and resident of Modakkallur, the accused in a case of rape (Cr. No. 55/12 of Atholi Police station) was brought to the Malabar Medical College Hospital at 2 PM yesterday by P.C.No.1894 with requisition from the Sub Inspector of Police, Atholi Police Station for examination for evidence of potency. The duty doctor examined him after getting consent.

CASE HISTORY:

It is alleged that he had forcible sexual intercourse with his maid servant, while they were alone in his home, one week ago. He was absconding and was taken into custody by the police yesterday.

Clinical history: He is not having any disease. He is not taking any drugs. Not addicted to alcohol.

IDENTIFICATION MARKS:

1. A black mole 2x1 mm on the tip of nose.
2. Black mole 3x2 mm on the front of right middle finger 2 cm below the tip.

FINDINGS ON GENERAL PHYSICAL EXAMINATION:

Height: 162 cm. Weight: 58 kg. Moustache, pubic hairs are present, thick, curly and black in colour matted. Nail scratches with scabs partially falling off were present over face and bite marks over cheek. Seminal and blood stains present at places over inner garments.

FINDINGS ON GENITAL EXAMINATION:

Penis: Normal, 10 cm in length, 9.5 cm in circumference when flaccid state.

Smegma:

Absent. Scrotum: Pendulous.

Testes: Both present and of adult size.

FINDINGS ON SYSTEMIC EXAMINATION: No abnormality detected.

QUESTIONS: (1 MARKS EACH)

1. Enumerate the civil and criminal cases in which potency examination is required.
2. What are the evidences of recent sexual intercourse in a male?
3. Enumerate four drugs which can cause impotency as a complication.
4. Mention the absolute proof of seminal stains.
5. If the patient is not consenting for examination, what will you do?
6. Mention four neurological causes of impotence?

EXAMINATION OF VICTIM OF ALLEGED SEXUAL ASSAULT

CASE-1

1. Read the given case scenario and give your opinion with relevant reasons. (2 marks)
2. Answer the question given below. (5 marks)

A 35 yr old married woman was brought to the casualty accompanied by a woman police constable (CPO, PC No.12345), with alleged history of sexual assault by her neighbour, on the previous night when she was alone at home.

On examination the following findings were observed by the Medical Officer:

General Examination: Clothes were torn, with starch stains on her undergarments. Multiple contusions, some of which are discoid contusions in nature were present on the wrist, arm and inner aspect of thighs. Multiple curved linear abrasions on the inner aspect of both the thighs.

Local examination: Hymen showed carunculae myritiformis. Erythema and swelling of the vulva also seen.

Laboratory investigation: Vaginal swabs and wash showed presence of spermatozoa. Stains on the clothings tested positive for semen.

ANSWER THE FOLLOWING QUESTIONS:

1. Enumerate two tests done to confirm the stain? Explain any one of them. (1 ½ mark)
2. What is carunculae myritiformis? What are the causes of hymenal tear other than sexual Intercourse? (1 mark)
3. What is "date rape"? (½ mark)
4. What are the injuries on the upper and lower limb suggestive of? (½ mark)
5. Briefly describe the procedure of examination? (1 ½ mark)

EXAMINATION OF VICTIM OF ALLEGED SEXUAL ASSAULT

CASE-2

1. Read the given case scenario and give your opinion with relevant reasons. (2 marks)
2. Answer the question given below. (5 marks)

A 10 year old girl was brought to the casualty accompanied by her mother and a woman police constable (CPO, PC No.12345) with alleged history of sexual assault by a 25 yr old school bus driver, 6 hrs ago.

On examination the following findings were observed by the Medical Officer:

General Examination: Child was emotionally upset, frightened and was crying. Clothes were intact, with mud at multiple places. Multiple contusions present on the wrist, arm and inner aspect of thigh. Bite marks present around the the left nipple.

Local examination: Minimal swelling and erythema of the labia minora.

Laboratory investigation: Vaginal swabs and wash showed absence of spermatozoa.

ANSWER THE FOLLOWING QUESTIONS:

1. Under what act and sections will the accused be booked in such a case? (1 mark)
2. What is the likely cause of minimal injuries to the private parts? (1 mark)
3. What injuries are expected in a child if any forceful penetrative act is done?
(1 mark)
4. Who will give consent in this case for examination? (mother/child/CPO); Explain.
(1 mark)
5. Media people are approaching to you, they want to know the details of the child and the family, what will you do?
(1 mark)

DEPT OF FORENSIC MEDICINE AND TOXICOLOGY

PRACTICAL EXAMINATION

Maximum Marks: 7

Time: 20 Minutes

CERTIFICATION OF EXAMINATION OF RAPE VICTIM

A. Read the data given below. Write your opinion with reasoning (2Marks)

A girl named XYZ aged 17 years was referred for examination and issuing a certificate to casualty medical officer, Malabar Medical College Hospital from Inspector of police, Atholi police station with history of alleged rape by a male servant yesterday night. Girl was accompanied by women CPO NO 2452.

IDENTIFICATION MARKS

1. A black mole 2x1 mm on the tip of nose
2. Black mole 3x2 mm on the front of right middle finger 2cm below the tip.

FINDINGS ON PHYSICAL EXAMINATION:

Height: 150cm, Weight: 50 KG All permanent except third molars are erupted. Painful gait. Pubic hairs were curly, dark bushy and matted. Breasts showed bite marks around the nipple on right side. Clothing was torn at places with dried seminal stains on inner garments.

FINDINGS ON GENITAL EXAMINATION:

Labia majora and minora was contused, fresh tear of Hymen seen at 5, 7 and 9' o clock positions. Vagina bruised in the posterior region and vaginal smear showed presence of sperms.

B. Answer the questions. (5 marks)

1. Define the punishment of rape; mention relevant sections of IPC?
2. Discuss the procedure of examination and preservation of evidences?
3. What is rape trauma syndrome?
4. Mention the signs of virginity. What is the relevance of virginity in the law related to rape?
5. Can she give consent for examination; Explain?

**MALABAR MEDICAL COLLEGE HOSPITAL & RESEARCH CENTRE,
Modakkallur**

**Department of Forensic Medicine & Toxicology
Practical Examination**

Max marks: 7 marks

Time: 20 minutes

Drafting of a Potency Certificate

- a. Read the data given below. Fill up the proforma by recording the data (mentioning two identification marks by yourself). Write your opinion. (2 marks)
- b. Answer the questions. (5 marks)

Details:

Mr Surya, 55 yrs old male, resident of Ulliyeri, the alleged accused in a case of rape (Cr. No. 67/13 of Balussery Police Station) was brought to Malabar Medical College Hospital and Research Centre, Modakkallur at 2 pm yesterday by Mr Shekar, PC No. 194 with requisition from the Circle Inspector of Police, Balussery for examination for evidence of potency. The alleged accused is claiming innocence by reason of his impotence. The duty doctor examined him after taking consent.

Brief details of the Clinical Examination Findings by Duty Medical Officer

General: Height: 170 cms, Weight: 68 kgs

Distribution of Body Hair: Moustache, axillary and pubic hairs are present. Thick, curly and black in colour. Few grey hair present in all three places.

Local Examination:

- 1) Penis: No congenital anomalies and injuries were observed. Embedded in massive hydrocele. Measurements of penis could not be taken, Sensation over Glans penis – Positive and normal. Smegma present. Frenulum intact. No disease.
- 2) Scrotum: Massive Hydrocele present.
- 3) Testis: Both testis could not be palpated due to the presence of massive hydrocele.

Systemic Examination: Normal

Laboratory Examination: Urine and Blood were normal. Lugol's iodine test negative.

Answer the following questions (1 mark each)

1. Define impotence.
2. Enumerate four drugs that can cause impotency as a complication.
3. Mention two tests that can be done to prove the presence of seminal stains.
4. What is Lugol's iodine test?
5. Enumerate two civil and two criminal cases in which potency examination is required.

EXAMINATION OF VICTIM OF ALLEGED SEXUAL ASSAULT

CASE-3

1. Read the given case scenario and give your opinion with relevant reasons. (2 marks)
2. Answer the question given below. (5 marks)

A 17 yr old unmarried girl was brought to the casualty accompanied by her mother and a woman police constable (CPD, PC No: 12345), with alleged history of sexual assault by her 46 yr old uncle, repeatedly since the last 2 yrs. She opened up about the assault and agreed to lodge a complain only after her mother persistently asked about it.

On examination the following findings were observed by the Medical Officer:

General Examination: Clothes were intact.

Local examination: There were old healed hymenal tears. Hymen admitted two fingers. Vaginal canal loose.

Laboratory investigation: Vaginal swabs and wash were negative for semen and spermatozoa.

ANSWER THE FOLLOWING QUESTIONS:

1. Who will give consent in such a case? Explain. (1 mark)
2. What is POCSO act? What is its relevance and importance when compared to Sec. 375 I.P.C? (2 mark)
3. What is "statutory rape"? (½ mark)
4. What is "date rape"? (½ mark)
5. Draw a well labelled diagram of human spermatozoa. (1 mark)

DEPT OF FORENSIC MEDICINE AND TOXICOLOGY

PRACTICAL EXAMINATION

Maximum Marks: 7

Time: 20 minutes

POST-MORTEM REPORT

-1-

Read the data given below;

- A. Write your opinion with reasons. (2 marks)
- B. Answer the questions. (5 marks)

Dead body of a young adult female was recovered from sea. Post mortem examination revealed the following.

EXTERNAL EXAMINATION

Wet clothes and body was cold. Fine persistent, white lathery froth from the mouth and nostrils were seen. Weeds tightly held in hands. Cutis anserina was observed. Rigor mortis was present all over the body, Post mortem staining not fixed.

INTERNAL EXAMINATION:

Lungs were waterlogged, boggy with rib impressions on the surface. Stomach contained handful of softened rice particle in a brownish mucoid medium, without any unusual smell, mucosa normal.

ANSWER THE FOLLOWING QUESTIONS:

1. Mention various types of drowning and discuss the causes of death
2. What is the approximate time since death?
3. Comment on the findings of the hand. Give its differential diagnosis.
4. Mention various other conditions where froth over mouth and nostrils are seen.
5. How will you diagnose death due to ante mortem drowning in putrefied bodies Explain?































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DEPT OF FORENSIC MEDICINE AND TOXICOLOGY

PRACTICAL EXAMINATION

Maximum marks: 7

Time: 15 min

POSTMORTEM REPORT

CASE-2

Read the data given below.

- A. What is your opinion regarding the cause of death. Substantiate with reasoning. (2 marks)
- B. Answer the questions, (5 marks)

Dead body of 58 year old male was sent for Post mortem examination. On examination revealed:

- Dribbling of saliva was found present over right side from angle of mouth.
- Rigor mortis was present only in lower limbs and greenish discoloration over right side of abdomen
- Oblique incomplete, pressure abrasion seen over upper part of neck and base of mark is ecchymosed a places
- Tissues under the mark are dry, white and glistening
- Lungs and other internal organs are congested.

ANSWER THE FOLLOWING QUESTIONS:

1. What is approximate time since death and why?
2. What are different types of hanging?
3. Mention the types of incision you would put in this case with reasoning.
4. What are the causes of death in hanging?
5. What is the amount of force required to occlude relate various structures of neck to produce death?













DEPT OF FORENSIC MEDICINE AND TOXICOLOGY

PRACICAL EXAMINATION

Maximum Marks: 7

Time 20 minutes

POST MORTEM REPORT CASE - 3

Read the data given below.

- A. Write your opinion, Substantiate with reasoning (2marks)
- B. Answer the questions (5 marks)

Dead body of a young village lady aged 24 yrs was sent for Postmortem examination. On examination it revealed:

- Blood white froth stained oozing from the mouth and nostrils.
- Rigor mortis was present all over the body, post mortem staining fixed over back of trunk
- No other external injury was present
- Stomach mucosa is inflamed and contents had strong kerosene like smell.
- Lungs are edematous and exude frothy fluid on cut section and all organs were congested.
- FSL report has been not yet received but the investigations done showed a very low level of cholinesterase enzyme.

ANSWER THE FOLLOWING QUESTIONS

1. What is the mode of action of this poison? (1/2 mark)
2. What is the approximate time since death? (1 mark)
3. How will you preserve the material objects for chemical analysis in this case (1mark)
4. Outline management of this case. (1mark)
5. Mention two reasons for negative toxicological analysis in a case of poisoning (1mark)
6. Give two examples organo chlorine compounds and discuss its mode of action(1/2mark)







