FMT INI-25 (May) Reworked

Subject: Forensic Medicine
Topic: Forensic Age Estimation
Subtopic: Epiphyseal Fusion

Question Number: 1

Non-clinical Question:
A lady comes to the hospital alleging her daughter was raped. The mother says the daughter's age is <18 years, but the doctor doesn't agree. Which X-ray will help to prove if the daughter's age is >18 years, according to epiphyseal fusion?

Options:

A. Elbow and hip
B. Hip and skull
C. Wrist, medial end of clavicle, sternum
D. Elbow and shoulder

Correct Answer: C) Wrist, medial end of clavicle, sternum

Subject: Forensic Medicine
Topic: Forensic Odontology
Subtopic: Dental Notation Systems

Question Number: 2

Non-clinical Question:
What dental notation system is represented in the below layout?

87654321	12345678
87654321	12345678

Options:

A. Universal
B. Haderup
C. Palmer
D. Fédération Dentaire Internationale (FDI)

Correct Answer: C) Palmer

Subject: Forensic Medicine
Topic: Toxicology
Subtopic: Gastric Aspirate Tests

Question Number: 3

Non-clinical Question:
Gastric aspirate turns black with silver nitrate ($AgNO_3$) in which poisoning?

Options:
A) Aluminium Phosphide
B) Mercury
C) Malathion
D) Barbiturate

Correct Answer: A) Aluminium Phosphide

Subject: Forensic Medicine
Topic: Medical Jurisprudence
Subtopic: MTP Act

Question Number: 4

Non-clinical Question:
What is the minimum age for medical termination of pregnancy (MTP)?

Options:
A) 18 years
B) 22 years
C) 16 years
D) 25 years

Correct Answer: A) 18 years

Subject: Forensic Medicine
Topic: Medical Jurisprudence
Subtopic: Data Privacy in Healthcare

Question Number: 5

Non-clinical Question:
Which Indian regulation protects medical data security?

Options:
A) DPDP (Digital Personal Data Protection Act)
B) Personal Data Protection Law (PDPL)
C) GDPR (General Data Protection Regulation)
D) HIPAA (Health Insurance Portability and Accountability Act)

Correct Answer: A) DPDP (Digital Personal Data Protection Act)

Subject: Forensic Medicine
Topic: Toxicology
Subtopic: Snakebite

Question Number: 6

Non-clinical Question:
Which of the following is the WRONG statement about snakebite?

Options:
A) Viperidae is vasculotoxic & anti-snake venom has to be given in systemic envenomation
B) Elapidae group is mostly myotoxic
C) Most snake venoms contain hyaluronidase
D) Cobra belongs to Elapidae family
Correct Answer: B) Elapidae group is mostly myotoxic

Subject: Forensic Medicine
Topic: Medical Jurisprudence
Subtopic: Grievous Hurt (IPC Sec. 320)

Question Number: 7

Non-clinical Question:
Which of the following does NOT come under grievous hurt?

Options:
A) Severe pain for 5 days
B) Tooth loss
C) Elbow dislocation
D) Emasculation
Correct Answer: A) Severe pain for 5 days

Subject: Forensic Medicine
Topic: Forensic Pathology
Subtopic: Injury Triads

Question Number: 8

Non-clinical Question:
The triad of bruise, abrasion and punctured laceration is seen in:

Options:
A) Road traffic accident (RTA)
B) Bomb blast injury
C) Strangulation
D) Firearm injury

Correct Answer: D) Firearm injury

Subject: Forensic Medicine
Topic: Medical Jurisprudence
Subtopic: MTP Act (Amendments)

Question Number: 9

Non-clinical Question:
For MTP, the opinion of 2 doctors is required at what gestational age?

Options:
A) 16 to 20 weeks
B) 20 to 24 weeks
C) 12 to 16 weeks
D) <12 weeks

Correct Answer: B) 20 to 24 weeks

Subject: Forensic Medicine
Topic: Toxicology
Subtopic: Heavy Metal Poisoning

Question Number: 10

Clinical Question:
A child is diagnosed with chronic mercury poisoning. Which of the following clinical features is most characteristically associated with this condition?

Options:
A) Lead lines on long bones
B) Danbury tremors and Mad Hatter syndrome
C) Mees' lines on nails
D) Basophilic stippling in red blood cells

Correct Answer: B) Danbury tremors and Mad Hatter syndrome

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Subject: Forensic Medicine
Topic: Toxicology
Subtopic: Poisons & Effects

Question Number: 11

Non-clinical Question:
Match the following poisons to their corresponding effect:

i) Opioid
ii) Croton
iii) Cocaine
iv) Lead
a - Organic irritant
b - Metallic irritant
c - Deliriant
d - Depressant

Options:
A) a-i, b-ii, c-iii, d-iv
B) a-ii, b-iv, c-i, d-iii
C) a-ii, b-iv, c-iii, d-i
D) a-iv, b-iii, c-ii, d-i

Correct Answer:
D) a-iv, b-iii, c-ii, d-i

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