

## FINAL ANSWER KEY

Question 63/2024/OL

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Exam: Associate Professor/ Reader in Forensic Medicine and Toxicology

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Department Government Homoeopathic Medical Colleges

Question1:-Match the following persons with their contribution field in Forensic Medicine:

- |                                       |                           |
|---------------------------------------|---------------------------|
| I. Sir Robert Christison              | a. Forensic Entomology    |
| II. Azizul Haque and Hem Chandra Bose | b. Forensic Pathology     |
| III. Jean Pierre Megnin               | c. Case of Burke and Hare |
| IV. Ambroise Pare                     | d. Dactylography          |

A:-I-d; II-a; III-c; IV-b

B:-I-c; II-d; III-a; IV-b

C:-I-b; II-a; III-d; IV-c

D:-I-b; II-c; III-d; IV-a

Correct Answer:- Option-B

Question2:-Dental formula of a child brought for medicolegal examination represented in modified FDI formula is as follows :

16 15 14 53 12 11	21 22 63 24 25 26
36 35 34 73 32 31	41 42 83 44 45 46

Which of the following statement/s about this child is/are correct?

- I. Unsworn evidence is admissible in court of law
- II. Abandonment of this child by parents is punishable with 2 years imprisonment under S.317 IPC
- III. This child is not criminally responsible
- IV. This child can give valid consent for clinical examination

A:-Only statement I is correct

B:-Statements I and II are correct

C:-Statements II and III are correct

D:-All statements are correct

Correct Answer:- Option-A

Question3:-Which of the following parameter is an important sex differentiating feature even in early foetal life?

A:-Ashly's Rule

B:-Quetelet Rule

C:-Sciatic notch index

D:-Sternal index

Correct Answer:- Option-C

Question4:-The technique applied to determine whether the skull is that of the person in the photograph is called:

A:-Bertillon technique

B:-Cheiloscopy

C:-Poroscopy

D:-Superimposition technique

Correct Answer:- Option-D

Question5:-Which of the following statement/s is/are true regarding finger print system?

I. First fingerprint Bureau was established in Mumbai

II. Fingerprint pattern of identical twins will be similar

III. Formation of finger print pattern completes in intrauterine life itself

IV. First case where fingerprints used for identification is Francisca Rojas case

A:-Only statement I is correct

B:-Only statement IV is correct

C:-Statements II and III are correct

D:-Statements III and IV are correct

Correct Answer:- Option-D

Question6:-A suspected stain from a crime scene is placed on a glass slide and added a reagent containing water, NaOH, pyridine and glucose and then covered with a cover slip. When examined under microscope, it showed pink feathery crystals. It could be due to the formation of:

A:-3-aminophthalhydrazide

B:-Pyridine ferroprotoporphyrin

C:-Ferriprotoporphyrin Chloride

D:-Choline periodide

Correct Answer:- Option-B

Question7:-Match the following:

I. Daniel McNaughten

a. Product test

II. Monte Durham

b. Lack of capacity to confirm the conduct

III. Donald K Currens

c. Wild beast test

IV. Edward Arnold

d. Right or wrong test

A:-I-b; II-a; III-d; IV-c

B:-I-c; II-d; III-a; IV-b

C:-I-d; II-a; III-b; IV-c

D:-I-d; II-b; III-a; IV-b

Correct Answer:- Option-C

Question8:-Testamentary capacity is \_\_\_\_\_.

A:-Fitness of a person to stand for trial

B:-Ability of a person to make a valid will

C:-Ability of a person to sign marriage contract

D:-Fitness of a person to be discharged from a psychiatric hospital

Correct Answer:- Option-B

Question9:-A 40-year-old man accused in a case of bribery was admitted to your hospital with complaints of sudden onset of irritability, talkativeness and abnormal abusive behaviour. His symptoms and signs do not satisfy criteria of any of the mental illness. His sleep became normal in two days of hospital stay. His symptoms are more when he was examined by the doctor. Which of the following can be used to identify his condition?

A:-American Law Institute test

B:-Revised Behavioral Problem Checklist

C:-Danger Assessment tool

D:-Miller Forensic Assessment of Symptoms Test

Correct Answer:- Option-D

Question10:-All the following comes under a "false personal unshaken belief in contrary to proof" Except

A:-Bernheim syndrome

B:-Capgras syndrome

C:-Fregoli's syndrome

D:-Othello syndrome

Correct Answer:- Option-A

Question11:-A 20 year old lady has frequent and recurrent episodes of binge eating, self-induced vomiting and use of purgatives is suffering from which of the following condition?

A:-Bulimia nervosa

B:-Anorexia nervosa

C:-Hoarding disorder

D:-Agoraphobia

Correct Answer:- Option-A

Question12:-The special technique used to demonstrate intravascular fat in cases of suspected fat embolism during postmortem examination is \_\_\_\_\_.

A:-Alkaline Pyrogallol test

B:-Beneke's technique

C:-Robb-Smith's technique

D:-Virchow's technique

Correct Answer:- Option-C

Question13:-A man and a woman were found dead in a car parked in a closed

garage. The engine of the car was found started and air condition was in on position. During postmortem examination postmortem staining appeared cherry red in colour. Choose the special viscera to be preserved in this case to find out the cause of death.

A:-Bone

B:-Skin

C:-Spleen

D:-Spinal cord

Correct Answer:- Option-C

Question14:-The method used to assess the stature of a person when unknown fragmented long bones recovered were brought to you for examination.

A:-Pearson's formula

B:-Steel's formula

C:-Pilla's formula

D:-Trotter and Gleser Formula

Correct Answer:- Option-B

Question15:-Which of the following section of Criminal Procedure Code concerned with the inquiry by a magistrate into the cause of death?

A:-176

B:-174

C:-162

D:-53

Correct Answer:- Option-A

Question16:-Read the following statements and choose the best option:

- I. Rectified spirit is not used as a preservative for viscera in phenol poisoning.
- II. Organic acids are soluble in rectified spirit.

A:-Both statements are wrong

B:-Statement I is correct and Statement II is wrong

C:-Both statements are correct and II is not the explanation for I

D:-Both statements are correct and II is the explanation for I

Correct Answer:- Option-D

Question17:-A psychiatrist is asked to disclose a patient's communication made during a consultation, by the police. Which of the following is the most appropriate response?

A:-Disclose the communication as it is relevant to the case.

B:-Refuse to disclose citing professional secrecy.

C:-Disclose the communication to the defense lawyer.

D:-None of the above

Correct Answer:- Option-B

Question18:-An exception for professional misconduct

A:-It concerns violation of Code of Ethics in Medical Practice

B:-Charge is brought before Court of Law

C:-Appeals are made to the Central Government

D:- (2) and (3)

Correct Answer:- Option-B

Question19:-Which of the following elements is not required to prove negligence in a civil case?

A:-Duty of care

B:-Intent to cause harm

C:-Breach of duty

D:-Damages

Correct Answer:- Option-B

Question20:-A patient who neglects a wound on his foot caused by doctor's negligence which in turn leads to aggravation of the damage resulted in amputation of the foot, will not be entitled to recover damages under,

A:-Contributory negligence

B:-Doctrine of Avoidable consequence rule

C:-Composite negligence

D:-Novus actus interveniens

Correct Answer:- Option-B

Question21:-In last clear chance doctrine

A:-Limits the scope of contributory negligence as defense by the doctor.

B:-An unrelated action intervening which worsened the patient's condition.

C:-In cases, where some degree of risk may be inevitable thereby act as a good defense for the doctor.

D:-The complaint should not be entertained as it has already been tried by a court of law.

Correct Answer:- Option-A

Question22:-Consent of an insane person is invalid according to

A:-Sec. 88 IPC

B:-Sec. 92 IPC

C:-Sec. 90 IPC

D:-Sec. 89 IPC

Correct Answer:- Option-C

Question23:-A doctor takes consent before surgical procedures and he may go beyond the consent if he feels that it is needed for the patient's benefit is termed as

A:-Tacit consent

B:-Explicit consent

C:-Doctrine of anticipation

D:-Doctrine of extended consent

Correct Answer:- Option-D

Question24:-Punishment for causing death by medical negligence is by

A:-Section 304 A IPC

B:-Section 304 B IPC

C:-Section 302 IPC

D:-Section 338 IPC

Correct Answer:- Option-A

Question25:-Regarding State Medical Council, all are true except

A:-Duration of the office is for a maximum period of 5 years

B:-Power to issue professional death sentence

C:-To conduct medical research

D:-Ensuring patient safety and quality of care

Correct Answer:- Option-C

Question26:-A doctor is legally bound to report

A:-Cases of suspected poisoning

B:-Cases of notifiable diseases

C:-Cases of suspected abuse

D:-All of the above

Correct Answer:- Option-D

Question27:-If a patient requests for his medical record, it should be issued with in

A:-36 hrs.

B:-48 hrs.

C:-72 hrs.

D:-7 days

Correct Answer:- Option-C

Question28:-Consent is not required in medical examination of

A:-Arrested person

B:-Statutory medical examination in armed forces

C:-Handlers of food and dairymen

D:-All the above

Correct Answer:- Option-D

Question29:-Bolam test is applicable in

A:-DNA Typing

B:-Medical negligence

C:-Finger print analysis

D:-Age determination

Correct Answer:- Option-B

Question30:-An exception to Res Ipsa Loquitor

A:-Occurrence of utero vesicle fistula in repeated caesarian section

B:-Surgical amputation of wrong limb

C:-Loss of use of hand due to prolonged splinting

D:-Both (1) and (2)

Correct Answer:- Option-A

Question31:-A doctor should not discriminate while giving priority for treatment of a patient on any ground other than emergency is stated in

A:-Declaration of Tokyo 1975

B:-Geneva convention 1949

C:-Helsinki declaration 1964

D:-Nuremberg code 1947

Correct Answer:- Option-B

Question32:-Molecular death

A:-Occurs before somatic death

B:-Occurs piecemeal

C:-Can be detected by clinical examination

D:-Is not related to metabolic dysfunction

Correct Answer:- Option-B

Question33:-Sudden death is when death occurs

A:-Within 12 hours after the onset of terminal illness

B:-Within 24 hours after the onset of terminal illness

C:-Within 2 days after the onset of terminal illness

D:-Within 16 hours after the onset of terminal illness

Correct Answer:- Option-B

Question34:-Which among the following is true regarding Rigor Mortis?

A:-Onset is delayed in Cholera

B:-Onset is delayed in Organophosphate poisoning

C:-Is independent of integrity of nervous system

D:-Disappear slowly in widespread bacterial infection

Correct Answer:- Option-C

Question35:-Which statement is true regarding adipocere formation?

- A:-Formed first in the subcutaneous tissues
- B:-The epidermis disappears as adipocere forms
- C:-Fresh adipocere is soft, moist, translucent
- D:-All the above

Correct Answer:- Option-D

Question36:-Paltauf's hemorrhages are usually present in about 50% of cases in

- A:-Lower lobes of lungs
- B:-Upper lobes of lungs
- C:-Pericardium
- D:-Posterior surface of lungs

Correct Answer:- Option-A

Question37:-Burking is

- A:-Combination of Gagging and Choking
- B:-Another name for positional asphyxia
- C:-Strangulation using two bamboo sticks
- D:-Combination of smothering and traumatic asphyxia

Correct Answer:- Option-D

Question38:-Mechanism of death in café coronary is

- A:-Combination of asphyxia and ventricular fibrillation
- B:-Reflex cardiac arrest
- C:-Asphyxia
- D:-Ventricular fibrillation

Correct Answer:- Option-B

Question39:-Pseudoligature mark is

- A:-Due to slippage of ligature material
- B:-Self infected
- C:-Skin fold resembling ligature mark
- D:-Due to postmortem ant erosions

Correct Answer:- Option-C

Question40:-In hanging, ecchymosis alone in the grooving due to ligature material

- A:-is common
- B:-have no significance as to whether hanging was caused during life or not
- C:-is an indication of vital reaction
- D:-None of the above

Correct Answer:- Option-B



Question41:-Which of the following is true?

A:-Choking is almost always accidental

B:-Suicidal choking can occur

C:-Choking can be a method of infanticide

D:-All the above

Correct Answer:- Option-D

Question42:-Death usually occurs in starvation when

A:-60% of the original weight is reached

B:-50% of the original weight is reached

C:-40% of the original weight is reached

D:-70% of the original weight is reached

Correct Answer:-**Question Cancelled**

Question43:-Death occurs in starvation

A:-Soon after the onset of metabolic acidosis

B:-When 60% of body fat is lost

C:-When 20% of body proteins are lost

D:-When immunity fails

Correct Answer:- Option-C

Question44:-In heat prostration

A:-Collapse occurs with increase in body temperature

B:-No peripheral vascular collapse

C:-High volume pulse present

D:-Patient usually recovers when removed from exposure and placed at rest

Correct Answer:- Option-D

Question45:-Paradoxical undressing is seen in

A:-Delirium

B:-Heat exhaustion

C:-Sexual deviations

D:-Hypothermia

Correct Answer:- Option-D

Question46:-In neonatal cold injury

A:-Hemorrhagic tendency is manifested

B:-Extremities become thinned out

C:-Peripheral pulsations are not affected

D:-Craving for food occurs

Correct Answer:- Option-A

Question47:-Scab of abrasion appears reddish brown in

A:-12-24 hours

B:-2-3 days

C:-4-5 days

D:-6-7 days

Correct Answer:- Option-B

Question48:-Brown colour of contusion is due to

A:-Haemosiderin

B:-Haematoidin

C:-Biliverdin

D:-Bilirubin

Correct Answer:- Option-A

Question49:-All are percolated contusion except

A:-Battle sign

B:-Cullen's sign

C:-Grey-Turners sign

D:-Kevorkian sign

Correct Answer:- Option-D

Question50:-The enzyme activity that increase as early as in one hour after sustaining injury is

A:-Aminopeptidase

B:-Adenosinetriphosphatase

C:-Acid phosphatase

D:-Alkaline phosphatase

Correct Answer:- Option-B

Question51:-After sustaining an injury Treusta's shunt can occur in

A:-Brain

B:-Heart

C:-Liver

D:-Kidney

Correct Answer:- **Question Cancelled**

Question52:-Waddel's triad include all except

A:-Head injury

B:-Abdominal injury

C:-Fracture of shaft of Femur

D:-Fracture of Tibia

Correct Answer:- Option-D

Question53:-Harikiri is

A:-Brush burn

B:-Suicidal stab injury

C:-Suicidal shotgun injury

D:-Blast injury

Correct Answer:- Option-B

Question54:-Instrument used to examine the interior of a barrel in firearm

A:-Ammeter

B:-Anemometer

C:-Goniometer

D:-Helixometer

Correct Answer:- Option-D

Question55:-Sparrow foot marks are seen in

A:-Gunshot injury

B:-Windscreen impact

C:-Tail gating

D:-Lightning stroke

Correct Answer:- Option-B

Question56:-The commonest cause of the Bends is rapid release of gaseous

A:-Oxygen

B:-Carbondioxide

C:-Nitrogen

D:-Hydrogen

Correct Answer:- Option-C

Question57:-Percentage of surface area of head and neck in a child of age 1 to 4 years, according to Lund and Browder is

A:-21

B:-19

C:-15

D:-14

Correct Answer:- Option-B

Question58:-Wischnewsky Spots are seen in

A:-Head injury

B:-Blast injury

C:-Hypothermia

D:-Hyperthermia

Correct Answer:- Option-C

Question59:-The bullet that leaves a visible mark while in flight is

A:-Frangible bullet

B:-Tracer bullet

C:-Armor piercing bullet

D:-Incendiary bullet

Correct Answer:- Option-B

Question60:-Choking have the following effects except

A:-Decreases dispersion of pellets

B:-Increases rate of spread of pellets

C:-Increases force of explosion

D:-Increases range of the shot

Correct Answer:- Option-B

Question61:-The Musket is a

A:-Bolt action rifle

B:-Smooth bore shoulder arm

C:-Sub machine gun

D:-Light machine gun

Correct Answer:- Option-B

Question62:-The desire to be identified as a member of the opposite sex is

A:-Oralism

B:-Uranism

C:-Eonism

D:-Exhibitionism

Correct Answer:- Option-C

Question63:-Rosenberg criteria is related to

A:-Battered baby syndrome

B:-Munchausen's syndrome

C:-Munchausen's syndrome by proxy

D:-Sudden infant death syndrome

Correct Answer:- Option-C

Question64:-The process of aseptic autolysis is

A:-Decomposition

B:-Maceration

C:-Mummification

D:-Saponification

Correct Answer:- Option-B

Question65:-Choline iodide crystals appear in

A:-Florence test

B:-Barberio's test

C:-Acid phosphatase test

D:-Creatine phosphokinase test

Correct Answer:- Option-A

Question66:-Sec. 318 IPC involves

A:-Acts of omission

B:-Acts of commission

C:-Abandoning of infants

D:-Concealment of birth

Correct Answer:- Option-D

Question67:-Under 'Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, when a woman gives complaint regarding sexual harassment, the inquiry process should be completed within a time period of

A:-30 days

B:-60 days

C:-90 days

D:-120 days

Correct Answer:- Option-C

Question68:-Which of the following statement is/are incorrect about Lochia?

(i) It is alkaline discharge

(ii) It is acidic discharge

(iii) It lasts for 2-3 months after delivery

(iv) It resolves more rapidly in women who breast fed

A:-Both (i) and (iii)

B:-Both (i) and (iv)

C:-Both (ii) and (iii)

D:-All the above

Correct Answer:- Option-C

Question69:-'Buggery' is

A:-Sodomy

B:-Bestiality

C:-Cunnilingus

D:-Rape

Correct Answer:- Option-A

Question70:-'SAFE' Kit is used for

- A:-Examination of a female for evidence of recent delivery
- B:-Examination of sexual assault survivors
- C:-Postmortem examination of infectious disease cases
- D:-None of the above

Correct Answer:- Option-B

Question71:-Assisted reproductive technology (ART) is/are:

- A:-Intracytoplasmic sperm injection
- B:-Zona drilling
- C:-Both (1) and (2)
- D:-None of the above

Correct Answer:- Option-C

Question72:-Which of the following statement/s is/are correct about vaginismus?

- A:-May lead to temporary impotency in females
- B:-Spastic contraction of vaginal outlet
- C:-It is an involuntary reflex
- D:-All the above

Correct Answer:- Option-D

Question73:-A male may be impotent with a particular female, but not with another

- A:-Frigidity
- B:-Sterility
- C:-Premature ejaculation
- D:-Quod hanc

Correct Answer:- Option-D

Question74:-Osiander's sign is positive at about \_\_\_\_\_ week of pregnancy

- A:-2nd
- B:-6th
- C:-8th
- D:-12th

Correct Answer:- Option-C

Question75:-Which section of law deals with Police Inquest?

- A:-174 IPC
- B:-176 Cr.PC
- C:-176 IPC
- D:-174 Cr.PC

Correct Answer:- Option-D

Question76:-True about organ transplantation

A:-It deals with the regulation of the transplantation of human organs

B:-Removal of the organs from the donor may be done on his authorization

C:-In the case of unclaimed bodies in hospitals, organs can be removed after 48 hours

D:-All of the above

Correct Answer:- Option-D

Question77:-Example of a designer drug

A:-MDMA

B:-LSD

C:-Cocaine

D:-Heroin

Correct Answer:- Option-A

Question78:-Regarding Consumer Protection Act, true is

A:-Consumer Protection Act was passed in 1982

B:-It is necessary for the parties to be represented by lawyers

C:-The complaint has to be filed within one year of the cause of action

D:-Three-tier structure of consumer redressal mechanism

Correct Answer:- Option-D

Question79:-Flashback phenomenon is characteristic of

A:-Alcohol

B:-Lysergic acid diethylamide

C:-Nicotine

D:-All of the above

Correct Answer:- Option-B

Question80:-The active principle of DATURA

A:-Atropine

B:-Thebaine

C:-Colchicine

D:-Calactin

Correct Answer:- Option-A

Question81:-Regarding Homeopathy Central Council Act 1973 true statement is

A:-Maintains a central register of homeopathy for prescribing minimum standards

B:-Power to remove the names from the Central Register of Homeopathy

C:-Promotes research in homeopathy

D:-All of the above

Correct Answer:- Option-D

Question82:-The most toxic part of Aconite

A:-Flower

B:-Leaves

C:-Root

D:-Fruit

Correct Answer:- Option-C

Question83:-Which of the following is not a cardiac glycoside?

A:-Oleandrin

B:-Thevetoxin

C:-Cerberin

D:-Hyoscine

Correct Answer:- Option-D

Question84:-Which of the following is an organic irritant poison?

A:-Calotropis

B:-Curare

C:-Oleander

D:-Cocaine

Correct Answer:- Option-A

Question85:-The statutory limit for alcohol in the blood while driving in India

A:-30 mg/dl

B:-35 mg/dl

C:-25 mg/dl

D:-40 mg/dl

Correct Answer:- Option-A

Question86:-Substances used as War gases

(i) Phosgene

(ii) Lewisite

(iii) Hydrocyanic acid

A:-(i) and (ii) only

B:-(ii) and (iii) only

C:-(i) and (iii) only

D:-All of the above (i), (ii) and (iii)

Correct Answer:- Option-D

Question87:-Which of the following is not true in carbon monoxide poisoning?

A:-Cherry red coloration of the skin



B:-Hyperbaric oxygen can be given as treatment

C:-The presence of soot in the air passages is a reliable indicator

D:-Headache and vomiting are the common symptoms

Correct Answer:- Option-C

Question88:-Marsh test is used for the detection of

A:-Lead

B:-Copper

C:-Arsenic

D:-Mercury

Correct Answer:- Option-C

Question89:-All are clinical signs in chronic mercury poisoning except,

A:-Hatter's shakes

B:-Acrodynia

C:-Mad hatter

D:-Raindrop pigmentation

Correct Answer:- Option-D

Question90:-Basophilic stippling is seen in poisoning with

A:-Copper

B:-Cyanide

C:-Lead

D:-Iron

Correct Answer:- Option-C

Question91:-Which of the following is true in snake bite management?

A:-Application of a tourniquet above the bite site is a recommended step

B:-Cryotherapy is routinely indicated

C:-Antisnake venom is indicated in all venomous snake bites

D:-Immobilize the bitten limb

Correct Answer:- Option-D

Question92:-Xanthoproteic reaction is seen in poisoning with

A:-Carbolic acid

B:-Nitric acid

C:-Oxalic acid

D:-Sulphuric acid

Correct Answer:- Option-B

Question93:-Which one of the following is a spinal poison?

A:-Barbiturates

B:-Nux Vomica

C:-Aconite

D:-Calotropis

Correct Answer:- Option-B

Question94:-Following are the medicolegal duties of a doctor in poisoning cases except

A:-Issuing a death certificate

B:-Giving Police Intimation

C:-Recording Dying declaration

D:-Collection of stomach washings for toxicological analysis

Correct Answer:- Option-A

Question95:-Ewald's tube is used for

A:-Hemoperfusion

B:-Antidote administration

C:-Decontamination

D:-Haemodialysis

Correct Answer:- Option-C

Question96:-Poison that produces miosis

A:-Datura

B:-Organophosphates

C:-Cyanide

D:-Carbon monoxide

Correct Answer:- Option-B

Question97:-Regarding opium use, which among the following is true?

(i) Respiratory depression in opium poisoning

(ii) Gas chromatography can detect opiates in urine

(iii) Withdrawal reaction seen in abrupt stoppage of opium intake

(iv) Pinpoint pupil is characteristic of opium poisoning

A:-Only (i) and (iii)

B:-Only (i), (iii) and (iv)

C:-Only (i) and (iv)

D:-All of the above (i), (ii), (iii) and (iv)

Correct Answer:- Option-D

Question98:-In Cannabis use all are true except,

A:-Physical dependence is more common

B:-Tetrahydrocannabinol is the active principle

C:-Amotivational syndrome is present

D:-Run amok is a characteristic feature

Correct Answer:- Option-A

Question99:-In poisoning with antipyretics all are true except

A:-Activated charcoal is contraindicated in the management

B:-Haemodialysis is effective

C:-Associated with Reye's syndrome in rare cases

D:-Liver failure is a serious complication

Correct Answer:- Option-A

Question100:-Toxic principle in Abrus precatorius

A:-Abrin

B:-Aflatoxin

C:-Ricin

D:-Solanine

Correct Answer:- Option-A