

PROVISIONAL ANSWER KEY

Question 57/2023/OL

Paper Code:

Category 051/2020

Code:

Exam: Assistant Professor Forensic Medicine and Toxicology

Date of Test 03-06-2023

Department Government Homoeopathic Medical Colleges

Question1:-Manusmruthi

- i. Treatise for marriage rules and punishments for adultery.
- ii. Treatise for incest and sexual offences.
- iii. Treatise for punishment for homicidal asphyxial deaths.
- iv. A decree for lord worship.

A:-i only

B:-iii only

C:-i and ii both

D:-ii and iv both

Correct Answer:- Option-C

Question2:-Medical etiquette

A:-Concerned with criminal negligence

B:-Concerned with criminal and civil negligence

C:-Concerned with conventional laws and customs of courtesy

D:-None of these

Correct Answer:- Option-C

Question3:-National Medical Commission Act passed during

A:-1956

B:-1933

C:-2019

D:-2014

Correct Answer:- Option-C

Question4:-Professional death sentence is given by

A:-President of India

B:-National Medical Commission

C:-State Medical Council

D:-Governor of the State

Correct Answer:- Option-C

Question5:-Apex body dealing with medical negligence cases

A:-National Medical Commission

B:-National Consumer Commission

C:-Expert panel of the concerned district

D:-High court of the concerned State

Correct Answer:- Option-B

Question6:-Novus actus interveniens is

A:-Manufacturers of drugs and medical equipments have legal duty to protect the public

B:-The medical practitioner has a duty to treat a patient with reasonable skill and care

C:-The assailant is responsible for all the consequences of his assault

D:-The liability exists inspite of the absence of blame worthy conduct on the part of the master

Correct Answer:- Option-C

Question7:-Ingredients of medical negligence

A:-Duty

B:-Damage

C:-Direct causation

D:-All of the above

Correct Answer:- Option-D

Question8:-Informed consent

A:-Fully informing him about the nature of his condition

B:-When the patient present him self at the doctors clinic

C:-Voluntary agreement or compliance

D:-Failure a planned action to be completed as intended

Correct Answer:- Option-A

Question9:-Medical indemnity insurance

A:-To look after and protect the professional interests of the insured

B:-To arrange, conduct and pay for the defense

C:-To arrange all other professional assistance including prelitigation advice

D:-All of the above

Correct Answer:- Option-D

Question10:-Privilege and right of a registered medical practitioner

A:-No right to choose patient

B:-No right to practice medicine any where in India

C:-No right to posses and supply dangerous drugs to his patients

D:-Right to recovery of fees if the patient does not pay

Correct Answer:- Option-D

Question11:-Father of Indian Medicine and Father of Plastic Surgery

A:-Sushruta

B:-Hippocrat

C:-Jaising P. Modi

D:-Charaka

Correct Answer:- Option-A

Question12:-Patient case sheet is a

A:-Treatment history

B:-A medical record

C:-An evidence in medical negligence cases

D:-All of the above

Correct Answer:- Option-D

Question13:-Conduct on the part of a medical practitioner during the practice of his profession which would be reasonably regarded as disgraceful or dishonorable by his professional colleague of good repute and competence

A:-In famous conduct

B:-Professional misconduct

C:-Both of the above

D:-None of the above

Correct Answer:- Option-C

Question14:-National Medical Commission shall consists of the following persons to be appointed by the Central Government

- i. Chairperson
- ii. Ten ex officio members
- iii. Twenty two part time members

A:-i and ii are correct

B:-i and iii are correct

C:-All are correct

D:-None of the above are correct

Correct Answer:- Option-C

Question15:-Functions of State medical councils

A:-Medical Register

B:-Disciplinary control

C:-Judicial procedure

D:-All of the above

Correct Answer:- Option-D

Question16:-Prohibition of participation of a doctor in torture come under

A:-Declaration of Helsinki

B:-Declaration of Tokyo

C:-Declaration of Geneva

D:-Declaration of Oslo

Correct Answer:- Option-B

Question17:-Accurate method of age estimation of a decomposed body from a single tooth

A:-Gustafson's formula

B:-Karl Pearson's formula

C:-Trotter and Glycer's formula

D:-Ashley's rule of 149

Correct Answer:- Option-A

Question18:-Secondary Centre of ischial tuberosity appeared by

A:-14th year

B:-16th year

C:-19th year

D:-9th month of intra uterine life

Correct Answer:- Option-B

Question19:-Corpus delecti is

A:-Physical body of the victim

B:-The body of the offence

C:-The essence of the crime

D:-Both 2 and 3 are correct

Correct Answer:- Option-D

Question20:-In India importing a foreign girl for illicit intercourse is considered if her age is below

A:-18 years

B:-15 years

C:-12 year

D:-21 years

Correct Answer:- Option-D

Question21:-KROGMAN's formula is related to

A:-Stature

B:-Age

C:-Sex

D:-Race

Correct Answer:- Option-C

Question22:-Which of the following is not correct regarding somatic death ?

A:-Reflex nervous activity may persist

B:-Unconscious

C:-Unable to appreciate any sensory stimuli

D:-None of the above

Correct Answer:- Option-D

Question23:-Correct about brain stem death.

- i. Vast majority suffer cardiac arrest within 48-72 hours.
- ii. Irreversibly comatose.
- iii. Patient is 'dead' in somatic sense.

A:-i and ii

B:-ii and iii

C:-i and iii

D:-All of the above

Correct Answer:- Option-D

Question24:-Which of the following produce brownish red postmortem staining ?

A:-Cyanide

B:-Aniline

C:-Carbon monoxide

D:-Barbiturate

Correct Answer:- Option-B

Question25:-Prinsloo and Gorden artefact is seen at

A:-Paravertebral area of lungs

B:-Oesophagus at the level of larynx

C:-Posterior surface of heart

D:-Spine at the level of T5

Correct Answer:- Option-B

Question26:-Most common site of tertiary impact injuries is

A:-Pelvis

B:-Head

C:-Thorax

D:-Abdomen

Correct Answer:- Option-B

Question27:-Sommers movements are explained by

A:-Adipocere formation

B:-Rigor mortis

C:-Mummification

D:-Algor mortis

Correct Answer:- Option-B

Question28:-Which of the following is incorrect about cadaveric spasm ?

A:-Gradual development

B:-Involvement of one group of muscles

C:-Planted weapon

D:-None of the above

Correct Answer:- Option-A

Question29:-Greenish discolouration of right iliac fossa in decomposed body is due to

A:-Methaemoglobin

B:-Sulphaemoglobin

C:-Carbaminohaemoglobin

D:-Carboxyhaemoglobin

Correct Answer:- Option-B

Question30:-Maggots hasten putrefaction due to

A:-Voracious appetite

B:-Proteolytic enzymes

C:-Both 1 and 2

D:-Marbling

Correct Answer:- Option-C

Question31:-Which of the following decompose in hours after death ?

A:-Brain

B:-Adrenal medulla

C:-Prostate

D:-Lungs

Correct Answer:- Option-B

Question32:-Waxy substance of adipocere formation is due to all except

A:-Oxygenation of fat

B:-Hydrolysis of fat

C:-Hydrogenation of fat

D:-Saturation of fat

Correct Answer:- Option-A

Question33:-Which is correct about La facies sympathique ?

A:-Seen in strangulation

B:-Pressure on both sympathetic and parasympathetic nerves

C:-One eye open with its pupil constricted

D:-Seen in some cases of hanging

Correct Answer:- Option-D

Question34:-Simon's haemorrhage is seen in

A:-Body suspended for long time

B:-Body is brought down shortly after suspension

C:-In long drops

D:-None of these

Correct Answer:- Option-A

Question35:-Cellophane test is based on

A:-Locard's principle

B:-Hasse's rule

C:-Puppe's rule

D:-Wallace's rule

Correct Answer:- Option-A

Question36:-Cafe coronary is

A:-Gagging

B:-Lynching

C:-Choking

D:-Burking

Correct Answer:- Option-C

Question37:-Which of the following will not cause death due to asphyxia ?

A:-Diphtheria

B:-Acute bronchitis

C:-Acute pneumothorax

D:-Pertussis

Correct Answer:- Option-D

Question38:-Correct about internal findings of drowning

A:-Absence of water in stomach excludes drowning

B:-Haemorrhage in middle ear is diagnostic

C:-Water can be aspirated from internal ear

D:-All of the above

Correct Answer:- Option-B

Question39:-All of the following statements are correct except

A:-In Diatom test, if both the medium and bone marrow contain same type of

diatom, it is conclusive of death due to drowning in that medium.

B:-If foreign bodies are present in air passages, no definite opinion of drowning can be given.

C:-Death occurring in shallow water should be considered as homicide unless otherwise proved.

D:-Accidental drowning can take place even in shallow water if the person falls unconscious.

Correct Answer:- Option-B

Question40:-Incorrect about Wilson's classification of burns

A:-First degree burns shows hyperemia and congestion

B:-Second degree burns produce scars

C:-Third degree burns extremely painful

D:-Scarring occurs after healing of third degree burns

Correct Answer:- Option-C

Question41:-Calculate the volume of fluid to be infused within first 4 hours to a 60 kg female sustained burns involving 40% of total body surface area using Muir and Barclay formula.

A:-2400 milliliters

B:-1200 milliliters

C:-600 milliliters

D:-3200 milliliters

Correct Answer:- Option-B

Question42:-Incorrect about burns

A:-Increased release of free radicals and proteases

B:-Increased permeability of blood vessels

C:-Decreased oncotic pressure in the tissue spaces

D:-Passage of solutes from blood vessels to the extravascular space

Correct Answer:- Option-C

Question43:-Ulcer which develops in gastroduodenum as early as five hours after burns

A:-Cushing's ulcer

B:-Curling's ulcer

C:-Decubitus ulcer

D:-Burrowing ulcer

Correct Answer:- Option-B

Question44:-Heat hematoma resembles

A:-Subdural haemorrhage

B:-Extradural haemorrhage

C:-Subarachnoid haemorrhage

D:-Intraventricular haemorrhage

Correct Answer:- Option-B

Question45:-Autopsy on victims of sunstroke will reveal all except

A:-Degeneration in neurons

B:-Degeneration in myocardium

C:-Adrenal haemorrhage

D:-Emphysematous lung

Correct Answer:- Option-D

Question46:-Treatment of heat cramps all except

A:-Massage of muscles

B:-Plain water

C:-Saline

D:-Move to air conditioned area

Correct Answer:- Option-C

Question47:-Frost nips are seen in all except

A:-Eyes

B:-Ears

C:-Nose

D:-Tip of fingers

Correct Answer:- Option-A

Question48:-Black gun powder consists of all the following except

A:-Lead

B:-Sulphur

C:-Charcoal

D:-Potassium nitrite

Correct Answer:- Option-A

Question49:-One entrance wound but two bullets in the body, such bullets are called

A:-Tandem bullet

B:-Ricochet bullet

C:-Souvenir bullet

D:-Test bullet

Correct Answer:- Option-A

Question50:-Crescentic abrasions of throttling are

A:-Pressure abrasion

B:-Friction abrasion

C:-Scratches

D:-Grazes

Correct Answer:- Option-C

Question51:-Abraded contusions are

A:-Scratches

B:-Grazes

C:-Pressure abrasions

D:-None of the above

Correct Answer:- Option-C

Question52:-'Holographic will' is written by

A:-Testator

B:-Lawyer

C:-Psychiatrist

D:-Manager appointed by the court

Correct Answer:- Option-A

Question53:-Section/s of Indian Penal Code dealing with criminal responsibility is/are

i. Sec. 83

ii. Sec. 84

iii. Sec. 85

iv. Sec. 86

A:-i

B:-ii

C:-Both i and ii

D:-Both iii and iv

Correct Answer:- Option-B

Question54:-A person sees a coil of rope in darkness and thinks it as snake. This is known as

A:-Delusion

B:-Hallucination

C:-Illusion

D:-Delirium

Correct Answer:- Option-C

Question55:-An irresistible desire to maim animals

A:-Kleptomania

B:-Pyromania

C:-Dipsomania

D:-Mutilomania

Correct Answer:- Option-D

Question56:-In delusion of persecution, the sufferer thinks

A:-That his/her friend may kill that person

B:-Very highly of himself

C:-All his/her mental or physical faculties are being controlled by some agents

D:-He/she does not exist

Correct Answer:- Option-A

Question57:-Which of the following statement/s is/are true regarding Medicolegal autopsy ?

i. There should be a written request from Police or Magistrate to conduct postmortem examination.

ii. Examination should be localized to suspected organ only.

iii. Dead body should be identified by Charge Police Officer.

A:-i and ii

B:-i and iii

C:-ii and iii

D:-i, ii and iii

Correct Answer:- Option-B

Question58:-Karl Pearson's formula is used to find out

A:-Age

B:-Race

C:-Stature

D:-Sex

Correct Answer:- Option-C

Question59:-Preservative used in blood sample collected during postmortem for DNA analysis

A:-EDTA

B:-Sodium chloride

C:-Sodium flouride

D:-Formalin

Correct Answer:- Option-A

Question60:-Features of unrespired lung are all except.

A:-Floats in water

B:-Alveolar sacs are dilated

C:-Weight is $1/70^{th}$ of body weight

D:-Spongy and crepitant

Correct Answer:- Option-C

Question61:-Calculate the age of foetus in months if crown-heel length is 30 cm.

A:-4

B:-5

C:-6

D:-7

Correct Answer:- Option-C

Question62:-Colostrum can be expressed from breast as early as _____ month of pregnancy.

A:-First

B:-Second

C:-Third

D:-Fourth

Correct Answer:- Option-C

Question63:-All are features of parous uterus, except

A:-Body of the uterus has twice the length of Cervix

B:-Uterine cavity is wide and round

C:-Fundus and broad ligament are at the same level

D:-Internal os is not well defined

Correct Answer:- Option-C

Question64:-Quad hanc is related to

A:-Drugs

B:-Psychic cause

C:-Diabetes Mellitus

D:-Absence of penis

Correct Answer:- Option-B

Question65:-Sterility in males may be caused by

A:-LSD abuse

B:-Myxoedema

C:-Addison's disease

D:-All the above

Correct Answer:- Option-D

Question66:-Penal provisions relating to criminal abortion are all except

A:-Sec. 310 IPC

B:-Sec. 312 IPC

C:-Sec. 314 IPC

D:-Sec. 316 IPC

Correct Answer:- Option-A

Question67:-Foetus is considered to be viable when it attains the intrauterine age of

A:-180 days

B:-190 days

C:-200 days

D:-210 days

Correct Answer:- Option-D

Question68:-Skin slippage is seen in macerated foetus as early as

A:-6 hours after death

B:-10 hours after death

C:-12 hours after death

D:-16 hours after death

Correct Answer:- Option-C

Question69:-Species identification of seminal stains can be done by

A:-Florence test

B:-Barberio test

C:-Creatine phosphokinase test

D:-Precipitin test

Correct Answer:- Option-D

Question70:-Minimum punishment for the offence of rape in India is imprisonment for

A:-2 years

B:-4 years

C:-7 years

D:-14 years

Correct Answer:- Option-C

Question71:-'Vishakha guidelines' are related to

A:-Sexual harassment at work place

B:-Showing pornography

C:-Physical contact and advance

D:-All the above

Correct Answer:- Option-D

Question72:-Sexual satisfaction obtained by rubbing the private parts to another person is

A:-Triolism

B:-Undinism

C:-Frotteurism

D:-Scotophilia

Correct Answer:- Option-C

Question73:-Presence of human spermatozoa in the vagina/anal canal of animal is evidence of

A:-Bestiality

B:-Sadism

C:-Fetichism

D:-Eonism

Correct Answer:- Option-A

Question74:-Hegar's sign is related to

A:-Pregnancy

B:-Still born foetus

C:-Dead born foetus

D:-None of the above

Correct Answer:- Option-A

Question75:-Which of the following statement is/are correct about the Homoeopathy Central Council Act, 1973 ?

i. The President of the Central Council shall hold office for a term of three years from the date of his election or nomination, as the case may be, or until his successor shall have been duly elected or nominated, whichever is longer.

ii. A person who holds, or who has held, office as President or Vice-President of the Central Council, shall be eligible for re-election to that office once, but only once.

iii. Members of the Central Council shall be eligible for re-election or re-nomination.

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

B:-Only (ii and iii)

C:-Only (i and iii)

D:-Only (i)

Correct Answer:- Option-B

Question76:-All are true about Constitution and Jurisdiction of District Consumer Dispute Redressal Fora, except

A:-A person who is, or has been, or is qualified to be a District Judge, who shall be its President.

B:-Two other members, who shall be persons of ability, integrity and standing, and have adequate knowledge or experience, one of whom shall be a woman.

C:-Every member of the District Forum shall hold office for a term of 5 years or up to the age of 65 years, whichever is earlier.

D:-Age of members to be not less than forty-five years of age.

Correct Answer:- Option-D

Question77:-Clinical features of Jimson weed poisoning include

A:-Increased salivation

B:-Cornpicker's pupil

C:-Sour taste in mouth

D:-Bradycardia

Correct Answer:- Option-B

Question78:-"Candyflipping" refers to intentional combination of

A:-MDMA with LSD

B:-MDMA with Cocaine

C:-MDMA with GHB

D:-MDMA with 2-CB

Correct Answer:- Option-A

Question79:-The differential diagnosis of strychnine poisoning includes

A:-Meningitis

B:-Isoniazid poisoning

C:-Phencyclidine poisoning

D:-All of these

Correct Answer:- Option-D

Question80:-All are hallucinogenic indolealkylamines (IAAs) except

A:-Lysergic acid diethylamide

B:-Harmine

C:-Mescaline

D:-Psilocin

Correct Answer:- Option-C

Question81:-True statement about toxalbumins

A:-It is a ribosome inactivating protein (RIP) and are of 2 types.

B:-Ricin is a type 2 ribosome-inactivating protein.

C:-Type 2 RIP is composed of only A chain that binds to cell surface.

D:-One A chain molecule can inactivate 100 ribosomes per minute.

Correct Answer:- Option-B

Question82:-Which segment of nephron is affected by Non-steroidal anti-inflammatory drugs (NSAIDs) ?

A:-Papilla

B:-Distal collecting tubules

C:-Glomerulus

D:-Proximal collecting tubules

Correct Answer:- Option-A

Question83:-Toxic principles in white oleander includes

- A:-Cerberin and Nerifolin
- B:-Ruvoside and Thevetin A
- C:-Oleandrin and Rosagenin
- D:-Both 1 and 2

Correct Answer:- Option-C

Question84:-Clinical features of Aconite poisoning include all except

- A:-Ataxia
- B:-Tingling and numbness of mouth and lips
- C:-Blurring of vision
- D:-Constipation

Correct Answer:- Option-D

Question85:-All of the following drugs produces mydriasis except

- A:-Antihistamines
- B:-Carbon monoxide
- C:-Clonidine
- D:-Cyanide

Correct Answer:- Option-C

Question86:-Absorption of alcohol is decreased

- A:-In novice drinkers
- B:-When alcohol concentration of the drink is between 10% and 20%
- C:-When alcohol is taken along with parasympathomimetic drugs
- D:-Both 2 and 3

Correct Answer:- Option-A

Question87:-All are characteristic features of a poisonous snake except

- A:-Stout body with abruptly tapering tail
- B:-Fourth infra labial scale is larger than others on either side
- C:-Arrow mark or bird foot mark on the centre of head
- D:-Belly scales that do not cover entire breadth of the belly

Correct Answer:- Option-D

Question88:-All are true about management of Copper poisoning except

- A:-Activated charcoal is contraindicated.
- B:-Gastric lavage with 1% potassium ferrocyanide has limited value.
- C:-Hemodialysis is effective.
- D:-Liver transplantation in hepatic failure.

Correct Answer:- Option-C

Question89:-All are correct statement about antidote for opium poisoning except

A:-Naloxone is very effective against buprenorphine.

B:-Naltrexone is long acting opiate antagonist which can be given orally.

C:-Nalmefene has longer duration of action than naloxone in acute opiate poisoning.

D:-Nalmefene can be given intramuscularly.

Correct Answer:- Option-A

Question90:-Which of the following statement is/are correct regarding quantitative assays used in toxicology ?

i. Atomic Absorption Spectrophotometry is highly complex, costly and best method for accurately detecting inorganic elements using a small sample of blood.

ii. Neutron Activation Analysis is a highly sophisticated method of detection of inorganic elements at levels well below the limits of conventional analytical techniques.

iii. Inductively Coupled Plasma Atomic Emission Spectroscopy is a newer technique that allows simultaneous multi-element analysis. Seventeen elements can be measured from a single sample.

A:-Only (i and ii)

B:-All of these (i, ii and iii)

C:-Only (ii and iii)

D:-Only (i and iii)

Correct Answer:- Option-C

Question91:-According to the Drugs and Cosmetic Act 1940, a drug shall be deemed to be adulterated if

A:-It is so coloured, coated, powdered or polished that damage is concealed or if it is made to appear of better or greater therapeutic value than it really is.

B:-It has been prepared, packed or stored under insanitary conditions whereby it may have been contaminated with filth or whereby it may have been rendered injurious to health.

C:-Its container is composed in whole or in part, of any poisonous or deleterious substance which may render the contents injurious to health.

D:-It bears or contains, for purposes of colouring only, a colour other than one which is prescribed.

Correct Answer:- Option-A

Question92:-Feature of chronic arsenic poisoning are all except

A:-Melanosis

B:-Dimness of vision

C:-Wrist drop

D:-Fatty degeneration of liver

Correct Answer:- Option-D

Question93:-False regarding corrosive poisoning

A:-Boiled lobster appearance is seen in phosphoric acid poisoning due to generalized desquamation of skin.

B:-Carbolic acid being fat-soluble attacks the nervous system and causes paralysis of respiratory centre.

C:-Alkalis can absorb water from tissues, precipitate protein and produce liquefaction necrosis resulting in deeper penetration of tissues.

D:-Circulatory collapse and stomach perforation is immediate cause of death in sulphuric acid poisoning.

Correct Answer:- Option-A

Question94:-Which of the following IPC sections and their offences is/are incorrect ?

- i. S.274 IPC deals with adulteration of drugs.
- ii. S.284 IPC deals with negligent conduct with respect to poisonous substance.

A:-Only (i)

B:-Only (ii)

C:-Both (i and ii)

D:-None of these

Correct Answer:- Option-D

Question95:-True statement regarding formaldehyde poisoning

A:-It is a protoplasmic poison

B:-It causes liquifactive nechrosis

C:-Both 1 and 2

D:-Fatal dose is 10 to 15 ml of 100% formalin

Correct Answer:- Option-A

Question96:-Which is the incorrect statement regarding cannabis ?

A:-It is an annual flowering herb with male and female flowers occurring on separate plants.

B:-The active principle is an alkaloid called delta-9-THC.

C:-Female plant is taller, darker and richer in cannabinoids.

D:-Run-amok is a peculiar homicidal mania resulting from continued use of cannabis.

Correct Answer:- Option-B

Question97:-Which of the following statement is/are correct about war gases and riot control agents ?

- i. Vesicants are cytotoxic alkylating compounds.
- ii. Acrolein as principal lacrimator used in world wars.
- iii. Chloropicrin is 10 times more toxic asphyxiant than chlorine.
- iv. Diphenylcyanoarsine is a sternutator.

A:-Only (iii and iv)

B:-Only (i, ii and iii)

C:-Only (i, ii and iv)

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

Correct Answer:- Option-C

Question98:-What is percentage of loss of earning capacity if thumb of one hand is lost according to the Workmen Compensation Act, of 1923 ?

A:-10%

B:-20%

C:-30%

D:-40%

Correct Answer:- Option-C

Question99:-Match the antidotes with their specific indication in the table given below :

Antidote	Indication
i. Flumezenil	a. Botulism
ii. Guanidine	b. Methanol
iii. DMPS	c. Benzodiazepine
iv. Fomepizole	d. Arsenic

A:-i-b, ii-d, iii-a, iv-c

B:-i-b, ii-a, iii-d, iv-c

C:-i-b, ii-a, iii-c, iv-d

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

Correct Answer:- Option-D

Question100:-All are characteristic features of thallium triad except

A:-Skin rash and alopecia

B:-Thrombocytopenia and leukocytosis

C:-Painful peripheral neuropathy

D:-Mental confusion and lethargy

Correct Answer:- Option-B