

PROVISIONAL ANSWER KEY

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Question1:-The enzymes commonly used as a marker in enzyme histochemistry in myocardial infarction are all except

- A:-Succinic dehydrogenase
- B:-Alkaline dehydrogenase
- C:-Maleic dehydrogenase
- D:-Lactic dehydrogenase

Correct Answer:- Option-B

Question2:-The triad of fat embolism syndrome (FES) is comprised of all except

- A:-Respiratory distress
- B:-Petechiae
- C:-Neurological symptoms
- D:-Myocardial infarction

Correct Answer:- Option-D

Question3:-The following are true about anti sera except

- A:-Antisera determines specific antigens are on the red cells
- B:-The test using antisera and the patient's red cells is called the front cell group
- C:-Anti-A are coloured yellow as a quality control measure
- D:-Monoclonal antisera can be prepared from cultured cell lines

Correct Answer:- Option-C

Question4:-Which of the following is not an index of estrogen secretion?

- A:-Vaginal cell cornification
- B:-Bone maturation
- C:-Withdrawal of bleeding after progesterone administration
- D:-Secretory endometrium

Correct Answer:- Option-D

Question5:-All are local effects of cold except

- A:-Chillblain
- B:-Perniosis
- C:-Erythromelalgia
- D:-Erythema Ab Igne

Correct Answer:- Option-D

Question6:-The rate of emptying of stomach depends on

- A:-Residual variations
- B:-Osmotic pressure of the stomach contents
- C:-Quantity of the food in the duodenum
- D:-All of the above

Correct Answer:- Option-D

Question7:-Haderup nomenclature system is related to

- A:-Odontology
- B:-Entamology
- C:-Ballistics
- D:-Osteology

Correct Answer:- Option-A

Question8:-Which of the following is the most reliable indicator of axonal damage?

- A:-Beta amyloid precursor protein
- B:-Retraction bulb
- C:-Diffuse petechiae
- D:-Demyelination

Correct Answer:- Option-A

Question9:-The histological features of Joule burn includes

- A:-Honey-Comb vacuolisation of Keratin layer
- B:-Epidermal nuclei at the periphery are hyperchromatic distorted
- C:-Epidermal nuclear elongation
- D:-All of the above

Correct Answer:- Option-D

Question10:-All of the following are true about sub endo cardial hemorrhage except

- A:-May appear as palpable flat blisters on the septum
- B:-Look like flame shaped and confluent lesions
- C:-The lesions are seen in left ventricle, interventricular septum or in opposing papillary muscles
- D:-The lesion is reversible with blood transfusion

Correct Answer:- Option-D

Question11:-The minimum tension required to block jugular venous return as per Brouardel's experiment is

- A:-0.75 kg
- B:-1 kg
- C:-0.5 kg
- D:-2 kg

Correct Answer:- Option-D

Question12:-The following are examples of evidence of acts of commission except

- A:-Displacement of Wharton's jelly
- B:-Depressed comminuted skull fracture
- C:-Circum oral pallor
- D:-Wide spread petechiae

Correct Answer:- Option-D

Question13:-Harrison and Gilroy test is employed in

- A:-Estimation of range of fire
- B:-Detection of gun powder residue
- C:-Track taken by bullet
- D:-Comparison microscopy of fired and test bullets

Correct Answer:- Option-B

Question14:-The following is incorrect about Gettler's test

- A:-Biochemical test for drowning
- B:-Differentiates between fresh water and sea water drowning
- C:-Detects chloride content of heart chambers
- D:-A difference of more than 25% of Magnesium concentration of two heart chambers is indicative of drowning

Correct Answer:- Option-D

Question15:-Arborescent marks are seen in

- A:-High tension electricity
- B:-Low tension electricity
- C:-Electrocution in bathtub
- D:-Lightning

Correct Answer:- Option-D

Question16:-Ewing's postulates is related to

- A:-Estimation of gestational age from length of fetus

B:-Trauma and tumour

C:-Time since death from rigor mortis

D:-Causal relation between microbe and disease

Correct Answer:- Option-B

Question17:-The accuracy of sexing from skull alone as per Krogman is

A:-100%

B:-98%

C:-92%

D:-80%

Correct Answer:- Option-C

Question18:-The earliest histological change in cerebral hypoxia is

A:-Proliferation of astrocytes

B:-Marked eosinophilia in the cytoplasm

C:-Microvacuolation in the neurone cytoplasm

D:-All of the above

Correct Answer:- Option-C

Question19:-Which of the following is true regarding pregnancy and delivery?

A:-The internal os closes by 2 weeks

B:-The rate of involution of uterus is approximately 2.5 cm per day

C:-The vaginal secretion after 10-15 days is called as lochia rubra

D:-Chadwick sign is the bluish discoloration of vaginal mucosa in early pregnancy

Correct Answer:- Option-D

Question20:-A scar is

A:-Fibrous tissue covered with epithelium and sweat glands

B:-Fibrous tissue formed by first intention healing

C:-Pale, contracted and non tender by 2-6 months

D:-All of the above

Correct Answer:- Option-C

Question21:-The maximum concentration of tetra hydra cannabinol (THC) is seen in

A:-Marijuana

B:-Hashish oil

C:-Charas

D:-Majun

Correct Answer:- Option-B

Question22:-Marshall's triad is a combination of

A:-Abrasions, contusions, punctured lacerations

B:-Hypercoagulibility, endothelial injury, stasis

C:-Portal vein, Hepatic artery, portal duct

D:-Contralateral head injury, fracture of shaft of femur, chest injuries

Correct Answer:- Option-A

Question23:-Quad hanc is situation where there is

A:-Relative impotence

B:-Honeymoon impotence

C:-Aversion impotence

D:-Venogenic impotence

Correct Answer:- Option-A

Question24:-Which is the post mortem finding seen in starvation death

A:-Distension of gall bladder

B:-Brown atrophy of heart

C:-Atrophy of organs except brain

D:-All of the above

Correct Answer:- Option-D

Question25:-The mechanism of action of activated charcoal in treatment of poisoning is

A:-Competitive inhibition

B:-Induction of emesis

C:-Promoting elimination

D:-Selective adsorption

Correct Answer:- Option-D

Question26:-Cruiral Index is determined from

A:-Femur and tibia

B:-Femur and fibula

C:-Humerus and radius

D:-Humerus and ulna

Correct Answer:- Option-A

Question27:-Smokeless gun powder contains

A:-Sulphur

B:-Barium Nitrate

C:-Nitrocellulose

D:-Potassium Nitrate

Correct Answer:- Option-C

Question28:-Commonest site for traumatic cardiac rupture

A:-Left auricle

B:-Right auricle

C:-Left ventricle

D:-Right ventricle

Correct Answer:- Option-B

Question29:-Spinal cord segment concerned with erection

A:-Sacral 1, 2, 3

B:-Lumbar 1, 2, 3

C:-Lumbar 2, 3, 4

D:-Sacral 2, 3, 4

Correct Answer:- Option-D

Question30:-Minimum quantity of air required to produce pulmonary air embolism is

A:-50 to 75 ml

B:-100 to 120 ml

C:-175 to 200 ml

D:-200 to 300 ml

Correct Answer:- Option-B

Question31:-Passive agent in lesbianism is known as

A:-Femme

B:-Dyke

C:-Butch

D:-Fella

Correct Answer:- Option-A

Question32:-Green colour of contusion is due to

A:-Deoxy haemoglobin

B:-Hematoidin

C:-Hemosiderin

D:-Bilirubin

Correct Answer:- Option-B

Question33:-Mass Disaster means in a single event death of victims is more than

- A:-10
- B:-12
- C:-20
- D:-22

Correct Answer:- Option-B

Question34:-The earliest enzymatic response in injuries is increase in

- A:-Acid phosphatase
- B:-Monuclease
- C:-Adenosine triphosphatase and Estarase
- D:-Alkaline phosphatase and polymorphonuclease

Correct Answer:- Option-C

Question35:-In Hunger strike force feeding can be done under constitution Article No.

- A:-Article No. 10
- B:-Article No. 11
- C:-Article No. 21
- D:-Article No. 31

Correct Answer:- Option-C

Question36:-Punch drunk syndrome is due to

- A:-Acute alcoholic intoxication
- B:-Repetitive head injury in boxing
- C:-Fall from height
- D:-Methyl alcohol poisoning

Correct Answer:- Option-B

Question37:-All are nerve agents used for chemical warfare except

- A:-Sarin
- B:-Tabun
- C:-Arsine
- D:-VX

Correct Answer:- Option-C

Question38:-Mental Health care act came into force in

- A:-1987
- B:-2002
- C:-2017
- D:-2018

Correct Answer:- Option-D

Question39:-Sweating is not present in

- A:-Heat syncope
- B:-Heat stroke
- C:-Heat exhaustion
- D:-Heat Cramps

Correct Answer:- Option-B

Question40:-Invisible seminal stains in clothes can be best visualised by

- A:-Ultraviolet rays
- B:-Infrared rays
- C:-Mass spectrometry
- D:-Flame photometry

Correct Answer:- Option-A

Question41:-Obsession is a disorder of

- A:-Mood

- B:-Thought
- C:-Perception
- D:-Intellect

Correct Answer:- Option-B

Question42:-All are confirmatory test for blood except

- A:-Microscopic Test
- B:-Spectroscopic Test
- C:-Microchemical Test for heamoglobin
- D:-Kastle Mayer Test

Correct Answer:- Option-D

Question43:-All are ecboic used for abortion except

- A:-Ergot
- B:-Quinine
- C:-Savin oil
- D:-Cotton root bark

Correct Answer:- Option-C

Question44:-Causing death of a quick unborn child by an act amounting to culpable homicide

- A:-314 IPC
- B:-315 IPC
- C:-316 IPC
- D:-317 IPC

Correct Answer:- Option-C

Question45:-GSR in polygraph test stands for

- A:-Galvanic skin response
- B:-Guilt score reaction
- C:-Galvanic sensor reaction
- D:-Guilt sensitivity reaction

Correct Answer:- Option-A

Question46:-Amniotic fluid embolism can cause death by all except

- A:-Cerebral embolisation
- B:-Pulmonary embolisation
- C:-Consumptive coagulopathy
- D:-Anaphylactoid reaction

Correct Answer:- Option-A

Question47:-Death due to systemic air embolism is possible in

- A:-Stab injury lung
- B:-Fracture fragmentation of thigh bone
- C:-Cut throat injury involving jugular vein
- D:-Fracture skull bone with involvement of dural sinus

Correct Answer:- Option-A

Question48:-World's First test tube baby was born in

- A:-England
- B:-Calcutta
- C:-Germany
- D:-Australia

Correct Answer:- Option-A

Question49:-Softening of cervix in pregnancy is known as

- A:-Hegar's sign
- B:-Goodell's sign
- C:-Braxton Hick's sign

D:-Oslander's sign

Correct Answer:- Option-B

Question50:-Centre of ossification used as a medicolegal evidence for fetal viability

A:-Calcaneum

B:-Manubrium sterni

C:-Talus

D:-I and II pieces of sacrum

Correct Answer:- Option-C

Question51:-The person considered as First Medicolegal Expert in ancient world was

A:-Hammurabi

B:-Hippocrates

C:-Imhotep

D:-Manu

Correct Answer:- Option-C

Question52:-Following are the tests done to confirm stoppage of circulation EXCEPT

A:-Magnus Test

B:-I card Test

C:-Diaphanous test

D:-Winslow's test

Correct Answer:- Option-D

Question53:-'Kevorkian sign' is seen after death and it is

A:-Fall in intraocular tension

B:-Loss of clarity of cornea

C:-Segmentation of blood in retinal vessels

D:-Deposition of dust and cellular debris on sclera

Correct Answer:- Option-C

Question54:-Not true about adipocere formation

A:-First described by Thomas Brown in 1658

B:-Includes hydrolysis and hydrogenation of fat

C:-The water required for hydrolysis mainly obtained from environment

D:-Bodies enclosed in airtight coffins may also be converted into adipocere

Correct Answer:- Option-C

Question55:-Consider the following statements

(i) Fatty tissue send as additional viscera for chloroform poisoning

(ii) Rectified spirit cannot be used as a preservative for viscera in phosphorus poisoning

(iii) It is better to use rectified spirit for viscera in plant poisoning

A:-(i) and (ii) are true

B:-(ii) and (iii) are true

C:-(i) and (iii) are true

D:-(i), (ii) and (iii) are true

Correct Answer:- Option-B

Question56:-Read following and choose correct statements regarding police inquest

(i) All unnatural deaths are send for autopsy

(ii) Able to investigate the right lines and thus judge the cause and manner of death in proper perspective

(iii) Cases are trialed in Magistrate court

A:-(i) and (ii) are correct

B:-(ii) and (iii) are correct

C:-(i) and (iii) are correct

D:-(i), (ii) and (iii) are correct

Correct Answer:- Option-C

Question57:-All the following statements regarding perjury are correct, EXCEPT

- A:-Legally bound by oath
- B:-On a statement knows or believes to be true
- C:-Upon a material fact
- D:-Willful or deliberate

Correct Answer:- Option-B

Question58:-Find the correct match

- A:-ICMR guidelines-1980
- B:-Indian GCP-2003
- C:-Drugs and cosmetics Act-1943
- D:-Environmental Protection Act-1996

Correct Answer:- Option-A

Question59:-Accidental substitution of a poisonous drug in place of therapeutic one during treatment comes under

- A:-Therapeutic misadventure
- B:-Contributory negligence
- C:-Vicarious responsibility
- D:-Novus actus interveniens

Correct Answer:- Option-D

Question60:-Choose wrong statement/s regarding Medicolegal importance of age

- (i) A child below 16 years cannot be employed in any type of work
- (ii) A child becomes responsible for wrecking a train or endangering the safety of commuters of train by the age of 5 years
- (iii) To kidnap a child with the intension of taking dishonestly any movable property if the age of the child is under 12 years
- (iv) Under guardianship of court he attains majority on completion of 21 years

- A:-(i), (ii) and (iii) are correct
- B:-(ii), (iii) and (iv) are correct
- C:-(i) and (iii) are correct
- D:-(ii) and (iv) are correct

Correct Answer:- Option-D

Question61:-Lettulle's technique of removal of organs during autopsy is

- A:-Individual organs are removed one by one
- B:-Insitu dissection combined with en-block removal
- C:-Cervical thoracic, abdominal and pelvic organs are removed en-masse and dissected as organ block
- D:-Cervical thoracic, abdominal and pelvic organs are removed as organ block

Correct Answer:- Option-C

Question62:-All the following formula are used for determination of status, EXCEPT

- A:-Carl Scheele formula
- B:-Trotter and Gleser formula
- C:-Karl Pearson's formula
- D:-Harrison, Dupertuis and Hadden's formula

Correct Answer:- Option-A

Question63:-Strangulation by compressing victim's neck against the forearm of assailant is

- A:-Bandsola
- B:-Mugging
- C:-Garroting
- D:-Lynching

Correct Answer:- Option-B

Question64:-Function of hypothalamus is deranged when core temperature of the body becomes

- A:-<32°C and >41°C
- B:-<30°C and >40°C
- C:-<35°C and >45°C

D:-<25°C and >43°C

Correct Answer:- Option-A

Question65:-Find the correct match from Ingredient and function of embalming fluid

- (i) Methanol (a) Controls pH
(ii) Sodium Borate (b) Anticoagulant
(iii) Sodium Chloride (c) Buffer
(iv) Sodium Citrate (d) Preservative

A:-(i)a (ii)b (iii)c (iv)d

B:-(i)d (ii)c (iii)a (iv)b

C:-(i)b (ii)d (iii)c (iv)a

D:-(i)c (ii)a (iii)d (iv)c

Correct Answer:- Option-B

Question66:-All the following are included as class characteristics in fired bullet identification, EXCEPT

- A:-Number of lands and grooves
B:-Rate of twist of the rifling
C:-Irregular grooves on surface of bullet
D:-Direction of twist of the rifle

Correct Answer:- Option-C

Question67:-Sparrow foot injuries are found in

- A:-Front seat occupants
B:-Motorcyclists
C:-Pedestrian adults
D:-Pedestrian children

Correct Answer:- Option-A

Question68:-False statement regarding Lichtenberg's flowers

- A:-They are superficial burns
B:-Seen along the course of blood vessels
C:-Better seen in fair skin
D:-Disappears by 1 to 2 days

Correct Answer:- Option-B

Question69:-Internal examination findings in starvation death includes all the following, EXCEPT

- A:-Brown atrophy of heart
B:-Small and atrophic brain
C:-Atrophied and necrotic liver
D:-Small and shrunken pancreas

Correct Answer:- Option-B

Question70:-Incorrect statement regarding Ewing's postulates

- A:-There must be evidence of integrity of injured part
B:-Undeniable and adequate trauma must be proved
C:-The disease must develop in the exact locality of the injury
D:-Nature of the tumor need not be proved

Correct Answer:- Option-D

Question71:-A member of the management or staff of a hospital taking advantage of his position has sexual intercourse, not amounting to rape with any woman in the hospital shall be punished under IPC section

- A:-376A
B:-376B
C:-376C
D:-376D

Correct Answer:- Option-C

Question72:-All the following are developments seen in a foetus at 7th month of intrauterine life, EXCEPT

- A:-Pupillary membrane disappears
- B:-Meconium entire large intestine
- C:-Nails do not reach the ends of fingers
- D:-Testes found close to the kidney

Correct Answer:- Option-D

Question73:-The pathological appearance of persistent and irresistible thought that cannot be removed from consciousness by any logical effort is called

- A:-Phobia
- B:-Delusion
- C:-Obsession
- D:-Impulse

Correct Answer:- Option-C

Question74:-All the following are tests done to detect blood stains, EXCEPT

- A:-Kastle-Meyer test
- B:-Florence test
- C:-O-Toluidine test
- D:-Leucomalachite green test

Correct Answer:- Option-B

Question75:-Find the incorrect match of poison and its odor

- A:-Chloral hydrate-Coal gas
- B:-Cannabis-Burnt rope
- C:-Zinc Phosphide-Musty
- D:-Nitrobenzene - Shoe polish

Correct Answer:- Option-A

Question76:-A mother belonging to blood group AB, father 'O', the possible blood group in the child may be

- A:-O group
- B:-AB group
- C:-A or B group
- D:-None of the above

Correct Answer:- Option-C

Question77:-Nysten's rule is applicable to

- A:-Post mortem staining
- B:-Algor mortis
- C:-Potassium level in Vitreous humor
- D:-Rigor Mortis

Correct Answer:- Option-D

Question78:-Who introduced for the first time the study of dactylography as a reliable data for identification?

- A:-Sir William Herschel
- B:-Sir Francis Galton
- C:-Sir Edward Richard
- D:-Wilhelm His

Correct Answer:- Option-A

Question79:-Causing miscarriage without consent of the mother irrespective of quickening is tried at,

- A:-Judicial First Class Magistrate
- B:-Chief Judicial Magistrate
- C:-Assistant Sessions Judge
- D:-Judicial Second Class Magistrate

Correct Answer:- Option-C

Question80:-The following are related to Human Experimentation except

- A:-Declaration of Sydney
- B:-Indian Council of Medical Research

C:-Declaration of Helsinki

D:-Nuremberg Code

Correct Answer:- Option-A

Question81:-Criminal negligence is charged against a doctor by

A:-Sec. 304 A IPC

B:-Sec. 299 IPC

C:-Sec. 301 IPC

D:-Sec. 304 B IPC

Correct Answer:- Option-A

Question82:-National Human Right Commission provisions include all except

A:-Can issue summons to any person to give evidence

B:-To report any incidence of custodial death within 48 hours of occurrence

C:-Videography of autopsy is required

D:-State Government is liable to compensate in custodial death

Correct Answer:- Option-B

Question83:-DNA typing can be done in a except

A:-Necrotic dental pup

B:-Urine

C:-Red Blood Cells

D:-Hair

Correct Answer:- Option-C

Question84:-The closure of Lambdoid suture is completed by

A:-60 years

B:-45 years

C:-30 years

D:-25 years

Correct Answer:- Option-A

Question85:-Ossification centers seen in full term fetus at birth are all except

A:-Lower end of Femur

B:-Upper end of tibia

C:-Cuboid

D:-Lower end of radius

Correct Answer:- Option-D

Question86:-In Tanner's staging of growth of pubic hair, dense hair extending to the inner aspect of thigh in

A:-Stage V

B:-Stage IV

C:-Stage III

D:-Stage II

Correct Answer:- Option-A

Question87:-Baar's method is,

A:-Dissection of coronary artery

B:-Dissection of spinal cord via anterior aspect

C:-Dissection of head in infants

D:-Dissection of Uterus

Correct Answer:- Option-C

Question88:-Age of abrasion when reddish brown scab formed is

A:-4-7 days

B:-2-3 days

C:-12-24 days

D:-7-10 days

Correct Answer:- Option-B

Question89:-Examples of post mortem artefact are all except

- A:-Paltauf's hemorrhages in lungs
- B:-Agonal aspiration of gastric contents in the air passages
- C:-Fat embolism during cardiac resuscitation
- D:-Bright red hypostasis in HCN poisoning

Correct Answer:- Option-A

Question90:-All are examples of grievous hurt except

- A:-Careless suturing of facial wounds leaving scar mark
- B:-Simple fracture of Terminal phalanx of ring finger
- C:-Fracture of only outer table of skull
- D:-Blood loss of 250 ml

Correct Answer:- Option-D

Question91:-A 30 year old man involved in motor vehicle collision. He had sustained fracture of right femur. At hospital he developed shortness of breath and could not be resuscitated. Petechial hemorrhages found on chest wall and histopathology revealed micro infarcts in many organs. Lung tissue stained positive for SUDAN III. Cause of death in this case.

- A:-Air embolism
- B:-Fat embolism
- C:-Thromboembolism
- D:-None of the above

Correct Answer:- Option-B

Question92:-Bullet embedded in the body for a long time covered with fibrous tissue is called

- A:-Piggy back bullet
- B:-Souvenir bullet
- C:-Magic bullet
- D:-Frangible bullet

Correct Answer:- Option-B

Question93:-Percentage of body surface area in an adult, when burns involve the trunk.

- A:-18%
- B:-45%
- C:-36%
- D:-72%

Correct Answer:- Option-C

Question94:-Odd one among is

- A:-Sec. 164 A Cr.PC.
- B:-Sec. 357 C Cr.PC
- C:-Sec. 166 B IPC
- D:-Sec. 328 IPC

Correct Answer:- Option-D

Question95:-Time since birth when inflammatory ring at the base of umbilical stump appears

- A:-12 hours
- B:-48 hours
- C:-72 hours
- D:-120 hours

Correct Answer:- Option-B

Question96:-Person feels that he or she is controlled by an outside power or agency

- A:-Delusion of influence
- B:-Delusion of reference
- C:-Nihilistic delusion
- D:-Paranoid delusion

Correct Answer:- Option-A

Question97:-Antidote in acetaminophen toxicity

- A:-Naloxone
- B:-N-acetyl cysteine
- C:-Calcium gluconate
- D:-4-methyl pyrazole

Correct Answer:- Option-B

Question98:-Regarding thin layer chromatography, true is

- A:-Rf value is always between 0.00 and 1.00
- B:-The material of the same composition always absorb the same wavelength of light is the principle
- C:-Cannot detect the presence of preservatives
- D:-Very useful in separating volatile poisons

Correct Answer:- Option-A

Question99:-The systematic analysis of the quality and efficiency of medical care through retrospective analysis of medical records

- A:-Medical audit
- B:-Impact evaluation
- C:-Scientific data audit
- D:-Summative evaluation

Correct Answer:- Option-A

Question100:-Simon's sign is seen in

- A:-Suffocation
- B:-Burns
- C:-Hanging
- D:-Fire arm injury

Correct Answer:- Option-C