

# PROVISIONAL ANSWER KEY

Question Paper Code:	3/2016/OL
Category Code:	205/2015
Exam:	Junior Consultant Forensic medicine
Medium of Question:	English
Date of Test	07-01-2016
Alphacode	A

Question1:-Who was the Editor of the journal 'Sreemathi'?

- A:-Anna Chaandi
  - B:-Kuttimalu Amma
  - C:-V.W. Elizabeth
  - D:-Lakshmi Kutti Amma
- Correct Answer:- Option-A

Question2:-Who among the following was not hanged in the famous 'Kayyur Incident' of 1941?

- A:-Aboobacker
  - B:-C. Krishnan Nair
  - C:-P. Kunhambu Nair
  - D:-Madathil Appu
- Correct Answer:- Option-B

Question3:-All Kerala Women's League was formed at

- A:-Kannur
  - B:-Thalassery
  - C:-Shornur
  - D:-Kozhikode
- Correct Answer:- Option-D

Question4:-Who is the author of the Malayalam work "Adimakal Engane Udamakalay"?

- A:-A.K. Gopalan
  - B:-P. Krishna Pillai
  - C:-Vishnu Bharateeyan
  - D:-K.P.R. Gopalan
- Correct Answer:- Option-C

Question5:-Cochin Rajya Praja Mandalam was formed in the year

- A:-1938
  - B:-1939
  - C:-1940
  - D:-1941
- Correct Answer:- Option-D

Question6:-Which among the following organisation was formed at the earliest?

- A:-Kalyanodayathi Sabha
  - B:-Vala Samudaya Parishkarana Sabha
  - C:-Sri Narayana Dharma Paripalana Yogam
  - D:-Sadujana Paripalana Sabha
- Correct Answer:- Option-C

Question7:-Which one of the following work of Kumaran Asan was published in the year 1907?

- A:-Duravasta
  - B:-Veena Poovu
  - C:-Nalini
  - D:-Karuna
- Correct Answer:- Option-B

Question8:-Tatwa Prakashika Ashram was associated with

- A:-Vagbhatananda
  - B:-Ananda Thertha
  - C:-Brahmananda Shivayogi
  - D:-P. Kunhi Raman Nair
- Correct Answer:- Option-A

Question9:-Who published the first travelogue in Malayalam?

- A:-Fr. Clement

B:-Thoma Cathanar  
C:-Fr. Kariyattil Ousep  
D:-Arnos Patiri

Correct Answer:- Option-B

Question10:-Who was the last Diwan of Kochi?

A:-R.K. Shanmugam Chetti  
B:-Sankunny Menon  
C:-C.P. Karunakara Menon  
D:-Govinda Menon

Correct Answer:- Option-C

Question11:-Paliyam Satyagraha was started in the year

A:-1944  
B:-1945  
C:-1946  
D:-1947

Correct Answer:- Option-D

Question12:-Which one of the following newspaper was not associated with K. Ramakrishna Pillai?

A:-Keraliyam  
B:-Kerala Darpanam  
C:-Kerala Panchika  
D:-Malayali

Correct Answer:- Option-A

Question13:-Which state has the largest number of child brides and child grooms in the country as per the census of India 2011?

A:-Madhya Pradesh  
B:-Uttar Pradesh  
C:-Bihar  
D:-Rajasthan

Correct Answer:- Option-B

Question14:-A famous city Antalya situated in

A:-Iraq  
B:-Syria  
C:-Turkey  
D:-Iran

Correct Answer:- Option-C

Question15:-The number of districts in Karnataka

A:-27  
B:-28  
C:-29  
D:-30

Correct Answer:- Option-D

Question16:-Lokpriya Gopinath Bordoloi International Airport is situated at

A:-Chandigarh  
B:-Gandinagar  
C:-Bhuvaneshwar  
D:-Guwahati

Correct Answer:- Option-D

Question17:-The British formed a force called 'Kolkars' to deal with

A:-19th century Peasant Uprisings in Malabar  
B:-Veluthampi Revolt  
C:-Pazhassi Revolt  
D:-Kurichiya Revolt

Correct Answer:- Option-C

Question18:-Which British Viceroy of India visited Travancore in 1900?

A:-Lord Curzon  
B:-Lord Lansdowne  
C:-Lord Dufferin  
D:-Lord Minto

Correct Answer:- Option-A

Question19:-From which constituency Joseph Mundassery was elected to the first Kerala Legislative Assembly in 1957?

- A:-Paravoor
- B:-Manalloor
- C:-Kottayam
- D:-Thodupuzha

Correct Answer:- Option-B

Question20:-Which one of the following social reformer died in the year 1929?

- A:-Brahmananda Sivayogi
- B:-Vagbhatananda
- C:-Ananda Thërtha
- D:-Chattambi Swamikkal

Correct Answer:- Option-A

Question21:-Police inquest is dealt within the Criminal Procedure Code 1973

- A:-Section 174, 175
- B:-Section 194, 195
- C:-Section 154, 155
- D:-Section 164, 165

Correct Answer:- Option-A

Question22:-A fixed and false belief or an erroneous judgement which cannot be changed by logical argument or evidence to the contrary is called

- A:-Delirium
- B:-Illusion
- C:-Hallucination
- D:-Delusion

Correct Answer:- Option-D

Question23:-Drugs and Cosmetic Rules 1945 classifies poisons into schedule

- A:-Schedule F
- B:-Schedule E
- C:-Schedule H
- D:-Schedule L

Correct Answer:- Option-B

Question24:-Bernsteins hypothesis states that

- A:-The agglutinogens A and B will appear in the blood of an infant unless present in the blood of one or both parent
- B:-Group AB parent can have a group O child and group O parent can have a group AB child
- C:-The agglutinogens A and B cannot appear in the blood of an infant unless present in the blood of one or both parents
- D:-Group AB parent cannot have a group O child and group O parent can have a group AB child

Correct Answer:- Option-C

Question25:-Railway spine is severe blow to the back or fall from height resulting in

- A:-complete transection of spinal cord without external injury
- B:-concussion of the spinal cord without evidence of external injury
- C:-confusion of the spinal cord without evidence of external injury
- D:-confusion of the spinal cord with external and spinal column injury

Correct Answer:- Option-B

Question26:-The presence of macrophages laden with hemosiderin pigment indicates that the contusion is at least

- A:-72 hours old
- B:-24 hours old
- C:-48 hours old
- D:-12 hours old

Correct Answer:- Option-C

Question27:-Technique useful for detection of diffuse axonal injury in a patient who survived for three hours after head trauma

- A:-Bodian silver impregnation technique
- B:-Hematoxylin and eosin staining
- C:-Frozen section technique
- D:-Immuno cytochemistry using Bamyloid precursor protein

Correct Answer:- Option-D

Question28:-Zoophilia is a sexual perversion where

- A:-Sexual act is performed by a humanbeing with an animal
- B:-Sexual gratification is obtained from fondling animals

C:-Vaginal intercourse with lower animals

D:-Sexual pleasure obtained by observing animals having intercourse

Correct Answer:- Option-B

Question29:-The first permanent molar teeth erupts at

A:-6-7 years

B:-7-8 years

C:-8-9 years

D:-10-12 years

Correct Answer:- Option-A

Question30:-Indecent assault committed on a woman with the intent or knowledge to outrage her modesty is punishable under Indian Penal Code

A:-Section 353

B:-Section 354

C:-Section 355

D:-Section 356

Correct Answer:- Option-B

Question31:-Breslau's second life test is

A:-Proof of breathing is not necessarily proof of live birth

B:-The lungs of alive born is distended, soft, crepitant and can be seen partly covering the heart

C:-The lungs of live born will sink as a result of atelectasis or pneumonia

D:-Small intestine and stomach removed after applying ligatures at either end will float in water

Correct Answer:- Option-D

Question32:-During spectroscopy oxyhemoglobin shows two absorption bands between Fraunhofer lines

A:-C and D

B:-D and F

C:-D and E

D:-C & D and D & E

Correct Answer:- Option-C

Question33:-Caspers dictum states that

A:-A body decomposes in air twice as quickly as in water and eight times as quickly as in earth

B:-A body decomposes in air eight times as quickly as in water and twice as quickly as in earth

C:-A body decomposes in air thrice as quickly as in water and twice as quickly as in earth

D:-A body decomposes thrice as quickly as in water and eight times as quickly as in earth

Correct Answer:- Option-A

Question34:-Aldrich-Mee's lines on the nails is seen in

A:-Copper poisoning

B:-Lead poisoning

C:-Arsenic poisoning

D:-Antimony poisoning

Correct Answer:- Option-C

Question35:-Consent given for an act of criminal abortion is not valid whether or not the act causes injury as per section of Indian Penal Code

A:-IPC Sec 90

B:-IPC Sec 91

C:-IPC Sec 92

D:-IPC Sec 93

Correct Answer:- Option-B

Question36:-Bansdola is

A:-Holding the neck of the victim in the bend of the elbow foot or knee

B:-Pressing the neck with the palm and compressing the air passages with fingers over the chin

C:-Sticks are placed on the front and back of neck and pressure applied by tying their ends

D:-Strangulation of neck by a ligature and tightened by sticks

Correct Answer:- Option-C

Question37:-Poroscopy is useful in

A:-Determination of race

B:-Determination of age

C:-Determination of sex

D:-Determination of identity

Correct Answer:- Option-D

Question38:-Arborescent markings are seen in

- A:-Fire burns
- B:-Electric burns
- C:-Lightening
- D:-Radiation burns

Correct Answer:- Option-C

Question39:-Preauricular sulcus on pelvic bone is useful for

- A:-Determination of age
- B:-Determination of race
- C:-Determination of sex
- D:-Determination of identity

Correct Answer:- Option-C

Question40:-Smokeless gun powder consists of

- A:-Potassium nitrate, sulphur, charcoal
- B:-Nitrocellulose and nitro glycerine
- C:-Lead peroxide and lead styphnate
- D:-Nitro guanidine and sulphur

Correct Answer:- Option-B

Question41:-Super fecundation means

A:-Multiple pregnancy resulting from the fertilisation of two or more ova liberated in the same menstrual cycle by spermatozoa introduced by successive act of coitus

B:-Fertilisation of an ovum from a subsequent ovulation in a woman who is already pregnant

C:-Multiple pregnancy resulting from fertilisation of one ova by multiple sperms during successive act of coitus

D:-Multiple pregnancy from fertilisation of one ova by multiple sperms during single act of coitus

Correct Answer:- Option-A

Question42:-Cardiac muscle in myocardial infarction appear pale, brownish purple or tigroid with slight leucocyte infiltration and necrosis after a period of survival of

- A:-4 hours
- B:-6-9 hours
- C:-2-4 days
- D:-5-6 days

Correct Answer:- Option-B

Question43:-The range of firing in shot gun injuries from the extend of dispersion of pellets is approximately calculated by

- A:-The spread of pellets in inches equals one and a half times the ranged measured in yards in cylinder bore weapons
- B:-The spread of pellets in inches equals to the range measured in yards in cylinder bore weapons
- C:-The spread of pellets in inches equals to one and a half times the range measured in yards in half choked weapons
- D:-The spread of pellets in inches equals to the range measured in yards in full choked weapons

Correct Answer:- Option-A

Question44:-Lynching is

- A:-Accidental smothering
- B:-Homicidal hanging
- C:-Partial hanging
- D:-Judicial hanging

Correct Answer:- Option-B

Question45:-Nitrites are given in cyanide poisoning

- A:-To prevent conversion of cyanide to hydrocyanic acid
- B:-To prevent the absorption of cyanide
- C:-To convert hemoglobin into methnoglobin
- D:-To prevent histotoxicity by formation of thiocyanate

Correct Answer:- Option-C

Question46:-British anti lewisite is used for treatment of poisoning by

- A:-Iron
- B:-Silver
- C:-Arsenic
- D:-Copper

Correct Answer:- Option-C

Question47:-Spaldings sign is seen in

- A:-Still birth
- B:-Intra uterine death

C:-Intra uterine growth retardation

D:-Forceps delivery

Correct Answer:- Option-B

Question48:-Pugilistic attitude in death due to burns is

A:-due to coagulation of proteins

B:-due to cadaveric spasm

C:-due to rigor mortis

D:-due to heat lacerations

Correct Answer:- Option-A

Question49:-Abatement of suicide of a child or insane person is dealt with the Indian Penal Code

A:-Section 305 IPC

B:-Section 306 IPC

C:-Section 307 IPC

D:-Section 308 IPC

Correct Answer:- Option-A

Question50:-Micro chemical test for presence of blood by talcayama test is seen as

A:-reddish leafy crystals of heamin

B:-brownish black rhombic crystals of herratin chloride

C:-yellowish red crystals of herratin crystals

D:-pink feathery crystals of hemochromogen

Correct Answer:- Option-D

Question51:-Postmortem staining in poisoning by oxidants of hemoglobin such as potassium chlorate and nitrites is chocolate brown in colour because

A:-Formation of oxyhemoglobin

B:-Formation of carboxyhemoglobin

C:-Formation of methemoglobin and sulfhemoglobin

D:-Formation of degradation products of hemoglobin

Correct Answer:- Option-C

Question52:-'Washer Womans' hands in drowning occurs by

A:-immersion for 12-18 hours

B:-immersion for 9-12 hours

C:-immersion for 6-9 hours

D:-immersion for 4-6 hours

Correct Answer:- Option-D

Question53:-Giving false evidence intentionally before the Honourable Court is punishable under Indian Penal Code

A:-IPC 191

B:-IPC 192

C:-IPC 193

D:-IPC 194

Correct Answer:- Option-C

Question54:-In metropolitan cities a Metropolitan Magistrate is

A:-Chief Judicial Magistrate

B:-Judicial Magistrate of first class

C:-Judicial Magistrate of second class

D:-Judicial Magistrate of third class

Correct Answer:- Option-B

Question55:-Failure to comply with the summons without genuine may render him liable for fine or imprisonment or both under Indian Penal Code

A:-IPCs 171

B:-IPCs 172

C:-IPCs 173

D:-IPCs 174

Correct Answer:- Option-D

Question56:-The most appropriate staining technique for detection of Barr bodies is

A:-Feulgen reaction

B:-Hematoxylin and eosin

C:-Luxol fast blue

D:-Silver impregnation

Correct Answer:- Option-A

Question57:-Ischiopubic index is useful for determining

- A:-Race of individual
- B:-Age of individual
- C:-Sex of individual
- D:-Stature of individual

Correct Answer:- Option-C

Question58:-The shape of chin of adult male mandible is

- A:-oval shaped
- B:-rounded
- C:-pointed
- D:-square shaped

Correct Answer:- Option-D

Question59:-Bony replacement of cartilage between basisphenoid and basisocciput is complete by

- A:-18-20 years
- B:-22-24 years
- C:-26-28 years
- D:-30-32 years

Correct Answer:- Option-B

Question60:-Calcification of crown of first molar and incisors take place

- A:-2-3 years earlier than eruption
- B:-during intra uterine period
- C:-2-3 years after eruption
- D:-during eruption

Correct Answer:- Option-B

Question61:-Mamelons are irregularities seen on

- A:-Permanent incisors
- B:-Temporary incisors
- C:-Permanent canines
- D:-Temporary canines

Correct Answer:- Option-A

Question62:-The average rate of cooling of a dead body is

- A:-2.5°F per hour in temperate climate and 0.95°F in tropical climate
- B:-1.5°F per hour in temperate climate and 0.75°F per hour in tropical climate
- C:-4.5°F per hour in temperate and 1.5°F per hour in tropical climate
- D:-0.5°F per hour in temperate and 1.5°F per hour in tropical climate

Correct Answer:- Option-B

Question63:-Livor mortis is

- A:-Suggillation
- B:-Algor mortis
- C:-Rigor mortis
- D:-Cooling of the body

Correct Answer:- Option-A

Question64:-The purplish discolouration of hypostatic areas is due to

- A:-Sulf hemoglobin in blood
- B:-Methemoglobin in blood
- C:-Oxy hemoglobin in blood
- D:-Reduced hemoglobin in blood

Correct Answer:- Option-D

Question65:-Enzyme studies by Macro enzyme techniques using triphenyl tetrazolium chloride (TTC) reaction depends on enzyme activity

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

Correct Answer:- Option-B

Question66:-During autopsy in a torture death presence of contaminated material and fecal material in the air passage and oesophagus suggests

- A:-Wet submarine
- B:-Dry submarine

C:-Sawhorse  
D:-Parrot's perch  
Correct Answer:- Option-A

Question67:-Following fracture of long bone the normal period for formation of complete callus is

A:-1-2 months  
B:-2-3 months  
C:-1 week  
D:-2-3 weeks

Correct Answer:- Option-D

Question68:-Fat embolism can be demonstrated in Frozen section by identifying fat using stain

A:-Bodian silver stain  
B:-Scharlach R  
C:-Fluorescent technique  
D:-Luxol fast blue

Correct Answer:- Option-B

Question69:-Stomach emptying time may be prolonged in long standing uncontrolled diabetes mellitus due to

A:-Dumping syndrome  
B:-Hyperglycemia  
C:-Smooth muscle sphincter spasm  
D:-Gastroparesis

Correct Answer:- Option-D

Question70:-Differences in the chloride content of blood in both sides of the heart in drowning will be absent in

A:-Fresh water drowning  
B:-Salt water drowning  
C:-Dry drowning  
D:-Wet drowning

Correct Answer:- Option-C

Question71:-Sulphuric acid is contraindicated for diatom test because

A:-It digests the siliceous coat of diatoms  
B:-It produces precipitates which obscure microscopy  
C:-It results in corrosion of bone marrow  
D:-Produces contamination of diatoms

Correct Answer:- Option-B

Question72:-Frost bite occurs when exposed to temperature of minimum

A:-Below -8 to -10°C  
B:-Between 1-4°C  
C:-Between 6-10°C  
D:-Below -50 to -100°C

Correct Answer:- Option-A

Question73:-Malignant transformation of a burn scar is known as

A:-Curlings ulcer  
B:-Cushings ulcer  
C:-Marjolins ulcer  
D:-Rodent ulcer

Correct Answer:- Option-C

Question74:-Eonism is a sexual perversion where

A:-There is a propensity to dress in the clothing of opposite sex  
B:-Use of objects like shoe, hair for sexual gratification  
C:-Displaying of genitalia for sexual gratification  
D:-Sexual pleasure by stimulation of genitals by hand

Correct Answer:- Option-A

Question75:-Most reliable criteria for identification of identical twins is

A:-DNA analysis  
B:-Finger print  
C:-Blood grouping  
D:-Super imposition

Correct Answer:- Option-B

Question76:-Mental disorders are classified in International classification of diseases under chapter

A:-Chapter C



B:-Chapter D

C:-Chapter E

D:-Chapter F

Correct Answer:- Option-D

Question77:-A contract with a mentally ill person during the lucid interval is

A:-not valid

B:-valid

C:-valid only if history of disease is known

D:-valid if the disease is a neurosis

Correct Answer:- Option-B

Question78:-Joule effect in electrocution is

A:-Sudden cardiac arrest due to passage of electric current

B:-Crater formation due to contact of conductor

C:-Streaming of nuclei seen in histopathology of skin

D:-Resistance of muscle cause release of heat causing coagulation of muscle fibre

Correct Answer:- Option-D

Question79:-Benzidine test for detection of blood is based on the principle

A:-enzyme peroxidase in hemoglobin acts as a carrier of oxygen

B:-separation of heme and globin in hemoglobin

C:-detection of deoxy hemoglobin in lysed red blood cells

D:-presence of blood group antigens

Correct Answer:- Option-A

Question80:-Secretion of ABO substances in body fluids such as saliva, semen and gastric juice is determined by

A:-Genes Aa and aa

B:-Genes Bb and BB

C:-Genes Se and se

D:-Genes Lm and lm

Correct Answer:- Option-C

Question81:-Regarding Florence test for detection of semen

A:-A positive test is diagnostic of semen

B:-A negative test will eliminate the possibility of stain being semen

C:-Vasectomy operation will result in negative test

D:-Vegetable and animal substance may give false negative test

Correct Answer:- Option-B

Question82:-Person who commit a criminal act under the following state are not held liable

A:-drunken state

B:-under hypnotism

C:-oneiroid state

D:-under provocation

Correct Answer:- Option-C

Question83:-The following, which is outside the purview of Transplantation of Human Organ Act 1994

A:-Liver

B:-Ear bones

C:-Eyes

D:-Bone marrow

Correct Answer:- Option-D

Question84:-Chelating agent British anti lewisite is contraindicated in

A:-Lead poisoning

B:-Cadmium poisoning

C:-Arsenic poisoning

D:-Gold poisoning

Correct Answer:- Option-B

Question85:-Desferoxamine is a chelating agent which removes iron from the following one maximally

A:-Hemoglobin

B:-Cytochromes

C:-Hemosiderin

D:-Transferrin

Correct Answer:- Option-C

Question86:-Nitric acid when comes in contact with organic matter produces

- A:-Xanthoprotein
- B:-Osmic acid
- C:-Formic acid
- D:-Picric acid

Correct Answer:- Option-D

Question87:-Mental affection called 'Erethism' in mercury poisoning effecting the emotional state is known as

- A:-Mercuria lentis
- B:-Mad as a hatter
- C:-Erethism psychosis
- D:-Mercury mania

Correct Answer:- Option-B

Question88:-Magnan's symptom is seen in

- A:-Schizophrenia
- B:-Illusions
- C:-Twilight states
- D:-Chronic cocaine poisoning

Correct Answer:- Option-D

Question89:-Wernicke-Korsakow's syndrome is seen in

- A:-Deficiency of riboflavin
- B:-Deficiency of thiamine
- C:-Deficiency of cyanacobalamine
- D:-Deficiency of nicotinic acid

Correct Answer:- Option-B

Question90:-Dipsomania is a

- A:-Impulse
- B:-Disorientation
- C:-Oneiroid state
- D:-Hypochondriasis

Correct Answer:- Option-A

Question91:-Haptoglobins are

- A:-Immunoglobulins in the serum
- B:-Low density lipo proteins
- C:-Histo compatibility antigen
- D:-Hemoglobin binding proteins found in human serum

Correct Answer:- Option-D

Question92:-The greenish discolouration of resolving contusion is due to

- A:-hematoidin
- B:-hemosiderin
- C:-bilirubin
- D:-sulph hemoglobin

Correct Answer:- Option-A

Question93:-Fugue state where the patient wanders away from home is seen in

- A:-Hypochondriasis
- B:-Impulse
- C:-Hysteria
- D:-Illusions

Correct Answer:- Option-C

Question94:-In cases of air embolism the patient should be placed

- A:-on right side with legs raised
- B:-supine position with legs raised
- C:-prone position with legs raised
- D:-on left side with legs raised

Correct Answer:- Option-D

Question95:-When examined under ultraviolet light seminal stains show

- A:-white fluorescence
- B:-strong bluish white fluorescence
- C:-yellowish white fluorescence
- D:-yellowish red fluorescence

Correct Answer:- Option-B

Question96:-Obliteration of triradiate cartilage occurs by

- A:-9-10 years
- B:-7-8 years
- C:-16-18 years
- D:-11-14 years

Correct Answer:- Option-D

Question97:-Postmortem calorificity is seen in

- A:-Fulminant infections
- B:-Congestive heart failure
- C:-Fluid and electrolyte imbalance
- D:-Shock due to blood loss

Correct Answer:- Option-A

Question98:-Locard's test is

- A:-when two objects come in contact, materials from one object is transferred into the other
- B:-comparison of the openings of sweat duct on the papillary ridges
- C:-comparison of the palatal rugosities for identification
- D:-comparison of lip prints for identity

Correct Answer:- Option-B

Question99:-The permanent second molar erupts in

- A:-10-12 years
- B:-12-14 years
- C:-14-16 years
- D:-17-25 years

Correct Answer:- Option-B

Question100:-The approximate time since death after the dead body becomes completely cooled and rigor mortis starts disappearing is

- A:-less than 9 hours
- B:-less than 16 hours
- C:-more than 16 hours
- D:-less than 7 hours

Correct Answer:- Option-C