

## PROVISIONAL ANSWER KEY

Question 74/2024/OL

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Question1:-The following statements are true regarding plasmacytes

- i. it has a cart-wheel shaped nucleus
- ii. antigens are stored as inclusion bodies called "Russell's bodies"
- iii. cytoplasm is basophilic

A:-i, ii and iii are true

B:-i and iii are true, ii false

C:-i, ii and iii are false

D:-iii alone false, i and ii are true

Correct Answer:- Option-B

Question2:-Regarding B lymphocytes following statements are true except

A:-About 85% of the circulating lymphocytes in blood are B lymphocytes

B:-B lymphocytes also undergo maturation

C:-The B stands for bursa fabricus in birds

D:-The germinal centres of lymphatic follicle contains dividing B lymphocytes

Correct Answer:- Option-A

Question3:-Name the periosteal bone that completely cover the cartilagenous shaft

A:-Periosteal bud

B:-Periosteal collar

C:-Diaphysis

D:-Cement line

Correct Answer:- Option-B

Question4:-Following groups of cells are neuroglial cells except

A:-Ependymal cells, Schwann cells

B:-Ependymal cells, oligodendrocytes

C:-Astrocytes, microglial cells

D:-Oligodendrocytes, dust cells

Correct Answer:- Option-D

Question5:-Middle radio ulnar joint belong to which type and variety?

A:-Synovial syndesmosis

B:-Fibrous syndesmosis

C:-Synovial pivot

D:-Fibrous, uniaxial pivot

Correct Answer:- Option-B

Question6:-Regarding the pars intermedia of the pituitary gland all statements are true except

A:-most important feature is colloid-filled vesicle

B:-Some chromophobes are also present

C:-Secretions include MSH, ACTH and endorphins

D:-Well developed in human hypophysis

Correct Answer:- Option-D

Question7:-Name the avascular spot or area on the surface of ovary due to underlying ovarian follicle just before ovulation

A:-Theca interna

B:-Theca externa

C:-Stigma

D:-Cumulus oophoricus

Correct Answer:- Option-C

Question8:-Following statements are true regarding sertoli cells except

A:-They produce MIS (Mullerian, Inhibitory Substance), ABP (Androgen Binding Protein) and inhibin

B:-They are less prominent in old age

C:-Phagocytosis residual cytoplasm during spermatogenesis

D:-The nucleus seen near the base with a prominent nucleolus

Correct Answer:- Option-B

Question9:-Regarding the histology of vermiform appendix, following statements are true except

A:-Crypts are poorly developed

B:-Taenia coli not present

C:-Taenia coli is present

D:-Longitudinal muscle coat is complete and equally thick all around

Correct Answer:- Option-C

Question10:-Regarding the histology of small intestine, all are true about paneth cell except

A:-Lining cells of small intestine include enterocytes and paneth cells

B:-Paneth cells are zymogen cells

C:-Paneth cells are rich in zinc

D:-Paneth cells are also known as enterochromaffin cells

Correct Answer:- Option-D

Question11:-Which statement regarding sonic hedgehog is not true?

A:-act as master gene for embryogenesis

B:-Act as morphogen

C:-SHH proteins are related to development of vasculature, apoptosis and epithelial to mesenchymal transitions

D:-After transduction, the protein is cleaved and cholesterol is added to its c-terminus of the N-terminal domain

Correct Answer:- Option-D

Question12:-Name the factor which produces the differentiation of cells of the embryoblast into hypoblast and epiblast

A:-Bone morphogenetic factor

B:-Fibroblast growth factor

C:-WNT protein

D:-Follicle stimulating hormone

Correct Answer:- Option-B

Question13:-During molecular regulation of somite differentiation signals are received from following nearby structures except

A:-Lateral plate mesoderm

B:-Notochord and neural tube

C:-Neural tube and epidermis

D:-Intra embryonic coelom

Correct Answer:- Option-D

Question14:-Boundaries of the somite are regulated by the following

A:-Retinoic acid

B:-FGF8

C:-WNT3a

D:-All of the above

Correct Answer:- Option-D

Question15:-Splanchnopleuric mesoderm give rise to all the following except

A:-Mesothelial lining of pleura

B:-Blood and blood vessels

C:-Lymph cells and lymph vessels

D:-Ligaments and tendons

Correct Answer:- Option-D

Question16:-Following are anomalies of placenta according to the attachment of

umbilical cord

A:-Battle-door placenta

B:-Fenestrated placenta

C:-Velamentous placenta

D:-Placenta furcate

Correct Answer:- Option-B

Question17:-Chemical agent that can cause mutation in male germ cells

A:-Ethyl nitroso urea

B:-Radiation

C:-None

D:-All

Correct Answer:- Option-A

Question18:-Maternal obesity has association with following fetal malformations except

A:-Neural tube defects

B:-Congenital defects in heart

C:-Omphalocele

D:-Limb defects

Correct Answer:- Option-D

Question19:-Non invasive prenatal screening technique to detect Down's syndrome

A:-Maternal serum alpha fetoprotein

B:-Ultrasound

C:-Cordocentesis

D:-Nuchal translucency testing

Correct Answer:- Option-C

Question20:-The limb bud formed at the end of 4<sup>th</sup> week of intrauterine life with progress in the order

A:-Autopod → Zeugopod → Stylopod

B:-Stylopod → Autopod → Zeugopod

C:-Stylopod → Zeugopod → Autopod

D:-Zeugopod → Stylopod → Autopod

Correct Answer:- Option-C

Question21:-Regarding Robertsonian translocations, all statements are true except:

A:-the short arms of two non-homologous chromosomes are lost

B:-Long arms fuse at the centromere

C:-This type of translocations confined to metacentric chromosomes

D:-Most common Robertsonian translocation involves the fusion of the long

arms chromosome numbers 14 and 21

Correct Answer:- Option-C

Question22:-First identified tumour suppressor gene is

A:-RB1 gene

B:-XPA

C:- $WT_1$

D:- $MLH_1$

Correct Answer:- Option-A

Question23:-Clinical features of Turner's syndrome include all except

A:-Webbed neck

B:-Broad shield like chest

C:-Short stature

D:-Moon face

Correct Answer:- Option-D

Question24:-Regarding 47, XYY syndrome which statements is true

A:-seen in about 1/1000 females and males

B:-patients with this syndrome exhibits minor behavioural abnormalities like hyper-activity, attention deficit and learning disorders

C:-Males with this syndrome are taller than that of average

D:-All the statements above are true

Correct Answer:- Option-D

Question25:-The disease(s) caused by the defect in DNA repair is/are

A:-xeroderma pigmentosum

B:-Bloom syndrome

C:-Werner's syndrome

D:-all of the above

Correct Answer:- Option-D

Question26:-Which of the following statements are correct about the cephalic vein?

i. it begins at the radial extremity of the dorsal venous arch of hand

ii. it ascends along the medial aspect of the arm

iii. it enters the axillary vein just distal to the clavicle

A:-only (i & ii)

B:-only (ii & iii)

C:-only (i & iii)

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

Correct Answer:- Option-C

Question27:-Which of the following statements about the axillary nerve is/are not correct?

- i. it is a branch of the posterior cord of the brachial plexus
- ii. it supplies the deltoid and teres major
- iii. it winds around the neck of humerus along with the circumflex scapular vessels

A:-only i and ii

B:-only ii and iii

C:-only i

D:-all of the above i, ii and iii

Correct Answer:- Option-B

Question28:-Which of the following approaches can produce anaesthetic blockade of the brachial plexus?

- i. interscalne route
- ii. supraclavicular route
- iii. axillary route

A:-only i and ii

B:-only i and iii

C:-only ii and iii

D:-all of the above i, ii and iii

Correct Answer:- Option-D

Question29:-Which of the following statements is/are correct about the brachioradialis?

- i. it is innervated by the radial nerve
- ii. it is a flexor of the elbow
- iii. it acts most effectively with the forearm in the supine position

A:-only i and ii

B:-only ii and iii

C:-only iii

D:-all of the above i, ii and iii

Correct Answer:- Option-A

Question30:-Which of the following is the most frequently fractured carpal bone?

A:-Scaphoid

B:-Lunate

C:-Pisiform

D:-Hamate

Correct Answer:- Option-A

Question31:-Which of the following statements about the trigger finger is/are not correct?

- i. it is a stenosing tenovaginitis
- ii. it affects the fibrous flexor sheaths of fingers or thumb
- iii. corresponding extensor muscle is sufficiently powerful to extend the affected finger

A:-only i and ii

B:-only ii and iii

C:-only ii

D:-only iii

Correct Answer:- Option-D

Question32:-What is the level of origin of first dorsal metacarpal artery from the radial artery?

A:-Just before it passes between the heads of first dorsal interosseous

B:-During its course between the heads of first dorsal interosseous

C:-Just after it emerges between the heads of first dorsal interosseous

D:-Between first and second lumbricals

Correct Answer:- Option-A

Question33:-Which of the following statements is/are correct about the lymphatic drainage of lower limb?

i. lymph from the lower limb passes from the inguinal nodes to the external and common iliac nodes

ii. deep gluteal lymph passes through the internal and common iliac chains

iii. peripheral nodes are few and all are superficially placed

A:-only ii and iii

B:-only i and ii

C:-only iii

D:-all of the above i, ii, iii

Correct Answer:- Option-B

Question34:-Which of the following represents the surface anatomy of the anterior tibial artery?

A:-line joining a point 4 cm inferior to the medial side of the head of fibula to the midpoint between the two malleoli

B:-line joining a point 2.5 cm inferior to the medial side of the head of fibula to the midpoint between the two malleoli

C:-line joining a point just lateral to the neck of fibula to the midpoint between the two malleoli

D:-line joining a point just medial to the neck of fibula to the midpoint between the two malleoli

Correct Answer:- Option-B

Question35:-Which of the following statements about the femoral venous cannulation is/are not correct?

i. it's an easy procedure

ii. it supplies ready access to the right atrium

iii. it is popular for long term cannulation because of a lower incidence of thrombosis and sepsis.

A:-only i

B:-only ii

C:-only iii

D:-only i and ii

Correct Answer:- Option-C

Question36:-Where is needle inserted for aspiration of fluid from ankle joint in anterior approach?

A:-between the tendons of tibialis anterior and extensor hallucis longus, with the ankle fully plantar flexed

B:-between the tendons of tibialis anterior and extensor hallucis longus, with the ankle fully dorsi flexed

C:-between the tendons of tibialis anterior and extensor hallucis longus, with the ankle partially plantar flexed

D:-between the tendons of extensor hallucis longus and extensor digitorum longus with the ankle partially plantar flexed

Correct Answer:- Option-C

Question37:-Which of the following muscles are attached to the greater trochanter of femur?

A:-Psoas major and iliacus

B:-Vastus lateralis and vastus intermedius

C:-Vastus medialis and vastus intermedius

D:-Gluteus medius and gluteus minimus

Correct Answer:- Option-D

Question38:-Which of the following bursae, gets infected in Clergyman's knee?

A:-Infra patellar bursa

B:-Subcutaneous prepatellar bursa

C:-Semimembranosus bursa

D:-Pes bursa

Correct Answer:- Option-A

Question39:-Which of the following statements is/are correct about the fibrous capsule of the hip joint?

i. it is thin anterosuperiorly and thick postero inferiorly

ii. capsular attachment to the femur lies well distal to the growth plate of the femoral head both anteriorly and posteriorly

iii it is strengthened by the iliofemoral, pubofemoral and ischiofemoral ligaments

A:-only i and ii

B:-only i and iii

C:-only ii and iii

D:-only iii

Correct Answer:- Option-C

Question40:-Which of the following statements is/are correct about the congenital talipes equinovarus?



- i. heel is elevated and turned inwards
- ii. both bones and soft tissues are affected
- iii. talus has a foreshortened neck and an increased body/neck angle

A:-only i and iii

B:-only i and ii

C:-only ii and iii

D:-only iii

Correct Answer:- Option-B

Question41:-Which of the following statements about the lymphatic drainage of mammary gland is/are not correct?

- i. axillary nodes receive more than 75% of the lymph from the mammary gland
- ii. surgically nodes are described in relation to the pectoralis major
- iii seroma is the most common post operative complication of axillary lymph node dissection in breast cancer

A:-only ii

B:-only i and ii

C:-only iii

D:-only ii and iii

Correct Answer:- Option-D

Question42:-Which of the following structures form the left border of the mediastinal shadow in the postero anterior view of the chest radiograph?

- i. left subclavian artery
- ii. aortic arch
- iii. left auricle
- iv left ventricle

A:-only i, ii and iv

B:-only iii and iv

C:-only ii, iii and iv

D:-all of the above i, ii, iii and iv

Correct Answer:- Option-D

Question43:-Which of the following statements about the anatomical apex of the heart is/are not correct?

- i. it is directed downwards, forwards and to the left
- ii. it is located in the fifth left intercostal space, near or a little medial to the mid clavicular line
- iii it is not overlapped by the left lung and pleura

A:-only i and iii

B:-only ii

C:-only iii

D:-none of the above

Correct Answer:- Option-C

Question44:-Which of the following does not form the boundary of the triangle of koch?

A:-postero lateral margin of the ostium of the coronary sinus

B:-anteromedial margin of the ostium of the coronary sinus

C:-septal cusp of tricuspid value

D:-Subendocardial tendon of todaro

Correct Answer:- Option-A

Question45:-Which of the following statements is/are correct about the pleura?

i. interlobar fissures, posterior azygo oesophageal and retrosternal pleural reflections are the only aspects of the normal pleura that can be visualized on a chest radiograph or CT scan.

ii. parietal pleura is not translucent

iii. thoracoscopy allows the direct inspection of both parietal and visural surfaces

A:-only i and ii

B:-only i and iii

C:-only ii

D:-only ii and iii

Correct Answer:- Option-B

Question46:-Which of the following structures grooves the anterior surface of the apex of lung near its summit?

A:-Subclavian artery

B:-Cervicothoracic sympathetic ganglion

C:-ventral ramus of first thoracic spinal nerve

D:-superior intercostal artery

Correct Answer:- Option-A

Question47:-Which of the following is the classical position of intralobar pulmonary sequestration?

A:-Anterior basal segment of right lower lobe

B:-Posterior basal segment of left lower lobe

C:-Anterior basal segment of left lower lobe

D:-Posterior basal segment of right lower lobe

Correct Answer:- Option-B

Question48:-Which of the following statements is/are correct about the diaphragmatic hernia?

i. most common is posterolateral hernia

ii. subcostosternal hernia occurs through a defect in the anterior diaphragm just medial to the xiphoid process

iii. oesophageal hernia is rarely congenital in origin

A:-only i and ii

B:-only i and iii

C:-only i

D:-all of the above i, ii and iii

Correct Answer:- Option-B

Question49:-Which of the following statements are correct about the phrenic nerve?

i. Division of phrenic nerve in the neck completely paralyses the corresponding half of the diaphragm

ii. Phrenic nerve damage leads to the paradoxical movement of the diaphragm

iii. Cardiac surgery is the one of the most common causes of phrenic nerve injury

A:-only i and ii

B:-only i and iii

C:-only ii and iii

D:-all of the above i, ii and iii

Correct Answer:- Option-D

Question50:-Which of the following is the second phase in the development of lung?

A:-Psuedoglandular

B:-Saccular

C:-Canalicular

D:-Alveolar

Correct Answer:- Option-C

Question51:-Where is the atrioventricular bundle located in perimembranous ventricular septal defect?

A:-Antero superior margin of the defect

B:-Anterio inferior margin of the defect

C:-Postero superior margin of the defect

D:-Postero inferior margin of the defect

Correct Answer:- Option-D

Question52:-What is the developmental source of the thymus?

A:-First pharyngeal pouch

B:-Second pharyngeal pouch

C:-Third pharyngeal pouch

D:-Sixth pharyngeal pouch

Correct Answer:- Option-C

Question53:-Which of the following statements are correct about the pectus excavatum?

i. the lower costal cartilages and body of the sternum are depressed

ii. it results in funnel shaped chest

iii it may be associated with postural abnormalities like dorsal lordosis and scoliosis

A:-only i and ii

B:-only i and iii

C:-only ii and iii

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

Correct Answer:- Option-D

Question54:-Which of the following statements about the thoracic duct is/are not correct?

i. in the neck it arches laterally at the level of transverse process of sixth cervical vertebra

ii. its arch rises 3 or 4 cms above the first rib

iii it drains into the junction of left subclavian and internal jugular veins

A:-only i and ii

B:-only i and iii

C:-only ii and iii

D:-only i

Correct Answer:- Option-A

Question55:-What is the level of division of internal thoracic artery?

A:-Fifth intercostal space

B:-Sixth intercostal space

C:-Seventh intercostal space

D:-Eighth intercostal space

Correct Answer:- Option-B

Question56:-Which of the following statements are correct regarding parotid gland?

A:-Endodermal in origin

B:-Separated from submandibular gland by sphenomandibular ligament

C:-Otic ganglion is related to its secretomotor pathway

D:-Preganglionic fibers start from superior salivatory nucleus

Correct Answer:- Option-C

Question57:-First tributary of internal jugular vein is

A:-Common facial vein

B:-Inferior petrosal vein

C:-Lingual vein

D:-Anterior jugular vein

Correct Answer:- Option-B

Question58:-Correct statement of middle meningeal artery is

A:-Branch of internal carotid artery

B:-Enter cranial cavity through foramen ovale

C:-Related to pterion

D:-Supply all 3 meningeal layers

Correct Answer:- Option-C

Question59:-The branch of internal carotid artery that supplies scalp is

A:-Superficial temporal artery

B:-Supratrochlear artery

C:-Occipital artery

D:-Posterior auricular artery

Correct Answer:- Option-B

Question60:-Suprahyoid muscles include all except

A:-Digastric

B:-Mylohyoid

C:-Omohyoid

D:-Geniohyoid

Correct Answer:- Option-C

Question61:-Regarding Lacrimal gland all are true except

A:-Has two parts

B:-All ducts open directly into superior fornix

C:-Receives nerve supply from pterygopalatine ganglion

D:-Located in the anterolateral part of roof of orbit

Correct Answer:- Option-B

Question62:-Features seen in the middle meatus are

A:-Bulla ethmoidalis

B:-Opening of maxillary sinus

C:-Opening frontal sinus

D:-Opening of posterior ethmoidal sinus

Correct Answer:- Option-D

Question63:-Statement related to sixth cervical vertebra are correct except

A:-corresponds to level of division of common carotid artery

B:-Corresponds to widest part of cervical enlargements of spinal cord

C:-Corresponds to level of location of superior parathyroid gland

D:-Has carotid tubercle

Correct Answer:- Option-A

Question64:-Skin of upper eyelid is supplied by all except

A:-Supraorbital nerve

B:-Supratrochlear nerve

C:-Zygomatic nerve

D:-Infratrochlear nerve

Correct Answer:- Option-C

Question65:-Facial artery is crossed superficially by all the following muscles by the following muscle except

A:-Risorius

B:-Zygomaticus major

C:-Platysma

D:-Levator Angulioris

Correct Answer:- Option-D

Question66:-Regarding optic nerve, the following are true

i. Pie enter the substance of nerve and form septa

ii. Not a peripheral nerve

iii. Neurilemma is present

A:-only ii and iii

B:-only i and ii

C:-only i and iii

D:-all of the above

Correct Answer:- Option-B

Question67:-All are true regarding thyrohyoid membane except

A:-Related to medial and lateral thyrohyoid ligament

B:-Stretches between lower border of hyoid bone and upper border of thyroid cartilage

C:-Pierced by superior laryngeal vessels

D:-Pierced by internal laryngeal vessels

Correct Answer:- Option-B

Question68:-Which statement is correct?

A:-Malleus and incus have muscle attached

B:-Stapes developed from Meckel's cartilage

C:-Incudostapedial joint is ball and socket type

D:-Ear ossicles attain adult size at puberty

Correct Answer:- Option-C

Question69:-Impact mandibular third molar tooth removal require more skill due to the following reasons:

i. Lingual nerve is seen closely related to it

ii. The tooth may lie close to the inferior alveolar canal

iii. The bone related to impacted tooth will be thick

A:-only ii and iii

B:-only i and ii

C:-only i and iii

D:-all the above

Correct Answer:- Option-B

Question70:-Regarding the venous drainage of thyroid gland which is true

A:-Venous plexus lie deep to thyroid true capsule

B:-All veins drain into internal jugular vein

C:-Kocher's vein when present emerges from the lower border of isthmus

D:-The veins accompany the arteries

Correct Answer:- Option-A

Question71:-All are true regarding suspensory muscle of duodenum

i. Also called ligament of Treitz

ii. Arise from left crus of diaphragm

iii. Composed of smooth muscle and elastic tissue only

A:-only ii and iii

B:-only i and ii

C:-only i and iii

D:-all the above

Correct Answer:- Option-B

Question72:-Cremasteric muscle is supplied by

A:-ilioinguinal nerve

B:-Femoral nerve

C:-Pudendal nerve

D:-Genitofemoral nerve

Correct Answer:- Option-D

Question73:-Genital ridge give rise to

i. ovary

ii. suspensory ligament of ovary

iii. Gubernaculum of ovary

A:-only ii and iii

B:-only i and ii

C:-only i and iii

D:-all the above

Correct Answer:- Option-D

Question74:-Lesser sac is all except

A:-Left posterior intraperitoneal recess

B:-Omental bursa

C:-Left subhepatic recess

D:-Left extra peritoneal recess

Correct Answer:- Option-D

Question75:-Regarding Vermiform appendix all are correct except

A:-Suspended by a peritoneal fold

B:-Mc Burney's point is its surface marking

C:-Commonest type is retrocaecal

D:-Arterial supply by iliocolic

Correct Answer:- Option-B

Question76:-Actions of Psoas major muscle are all except

A:-Flex hip on trunk

B:-Flex trunk on hip

C:-Lateral rotator

D:-Adduction of hip

Correct Answer:- Option-D

Question77:-Spleen is related to all except

A:-Gastrosplenic ligament

B:-Greater omentum

C:-Phrenicocolic ligament

D:-Lieno-renal ligament

Correct Answer:- Option-B

Question78:-Peculiarities of lumbar plexus

i. Formed within the substance of Psoas major

ii. Formed by ventral ramus of L1, 2, 3 and 4

iii. Obturator and femoral nerve has same root value

A:-only ii and iii

B:-only i and ii

C:-only i and iii

D:-all the above

Correct Answer:- Option-D

Question79:-Branches of external iliac artery are

i. deep external pudental artery

ii. Inferior epigastric artery

iii. Deep circumflex iliac artery

A:-only ii and iii

B:-only i and ii

C:-only i and iii

D:-all the above

Correct Answer:- Option-A

Question80:-All are true regarding duodenum except

A:-Common bile duct and pancreatic duct enter through medial wall separately

B:-Open on summit of minor duodenal papillae



C:-Fourth part is the smallest part

D:-Supplied by branches of coeliac trunk and superior mesenteric artery

Correct Answer:- Option-B

Question81:-Which of the statements are correct regarding epiploic foramen?

- i. seen on right border of lesser sac
- ii. related to arteries anteriorly and posteriorly
- iii. related to hepatoduodenal ligaments

A:-only ii and iii

B:-only i and ii

C:-only i and iii

D:-all the above

Correct Answer:- Option-C

Question82:-Correct statement regarding suprarenal glands

A:-Drained by three veins

B:-Supplied by one artery

C:-At birth large size of gland is due to large medulla

D:-Enclosed within renal fascia

Correct Answer:- Option-D

Question83:-Region of uterus around the uterine tube drains into which group of lymph nodes

A:-External iliac

B:-Preaortic

C:-Superficial inguinal

D:-Sacral

Correct Answer:- Option-C

Question84:-Events that occur at the level of transpyloric plane are all except

A:-Origin of inferior mesenteric artery

B:-lower end of spinal cord

C:-portal vein formation

D:-situation of hilum of kidneys

Correct Answer:- Option-A

Question85:-All are true regarding inferior vena cave except

- i. Diaphragmatic opening is between 8th and 9th thoracic vertebra
- ii. level of formation is 5th lumbar vertebra
- iii. receive both gonadal vein

A:-only ii and iii

B:-only i and ii

C:-only i and iii

D:-all the above

Correct Answer:- Option-B

Question86:-Pancreas

- i. tail of pancreas is within lieno-renal ligament
- ii. anterior border gives attachment to transverse mesocolon
- iii. splenic vein is related to superior border

A:-only ii and iii

B:-only i and ii

C:-only i and iii

D:-all the above

Correct Answer:- Option-B

Question87:-All are embryological remnants except

A:-Ligamentum teres hepatis

B:-Median umbilical ligament

C:-Lateral umbilical ligament

D:-Medial umbilical ligament

Correct Answer:- Option-C

Question88:-Which of the following combination is wrong?

A:-Middle rectal artery is a branch of internal iliac artery

B:-Uterine arteries are branches of internal iliac artery

C:-Testicular arteries are branches of internal iliac artery

D:-Obturator arteries are branches of internal iliac artery

Correct Answer:- Option-C

Question89:-Riedel's lobe is related to

A:-Spleen

B:-Liver

C:-Prostate

D:-Testis

Correct Answer:- Option-B

Question90:-Root of mesentery is crossed by

A:-Fourth part of duodenum

B:-Left gonadal vessels

C:-Aorta

D:-Left ureter

Correct Answer:- Option-C

Question91:-Which among the following is/are not correct about meninges?

- i. Duratmater is derived from mesoderm

- ii. Arachnoid mater is derived from neural crest cells
- iii. Dura mater and arachnoid mater are known as leptomeninges
- iv. Tela choroidea is a double fold of piamater

A:-i and ii

B:-ii and iii

C:-iii

D:-iv

Correct Answer:- Option-C

Question92:-Which of the following statement is/are correct about cerebrospinal fluid?

- i. Contains glucose, proteins, lactic acid, urea, electrolytes and ions
- ii. Rate of absorption of CSF is 20 ml/h and is equal to the rate of formation of CSF
- iii. Daily production of CSF is around 1 liter
- iv. The normal pressure in lumbar subarachnoid space in sitting position is 50-100 mm of water

A:-i and ii

B:-ii and iii

C:-iii and iv

D:-iv and i

Correct Answer:- Option-A

Question93:-Which among the following is correct about cerebellum?

- i. Cerebellar cortex is not important for learning of movements
- ii. Is responsible for maintaining the equilibrium of the body
- iii. Visual impulses reach uvula and nodule

A:-i

B:-ii

C:-iii

D:-i and iii

Correct Answer:- Option-B

Question94:-Ventral straitum consists of

A:-Fundus striati

B:-Clastrum

C:-Putamen and pallidum

D:-Nucleus accumbens and olfactory tubercle

Correct Answer:- Option-D

Question95:-Which among the following is/are not correct about internal capsule?

- i. Retrolentiform part is supplied by anterior chorioidal artery
- ii. Charcot's artery supplies the posterior limb
- iii. Recurrent artery of heubner supplies sublentiform part

A:-i

B:-ii

C:-iii

D:-all of the above i, ii iii

Correct Answer:- Option-C

Question96:-Which among the following are not areas of the brain devoid of blood brain barrier?

A:-Pineal body and urea postrema

B:-Median eminence and OVLT

C:-Sub commissural organ and subfornical organ

D:-Adenohypophysis and interthalamic adhesion

Correct Answer:- Option-D

Question97:-Sympathetic nerves supply all of the following EXCEPT

A:-Dilator pupillae

B:-Inferior tarsal muscle

C:-Superior tarsal muscle

D:-Sphincter pupillae

Correct Answer:- Option-D

Question98:-Nucleus of tractus solitarius receives fibers from the following EXCEPT

A:-7th cranial nerve

B:-8th cranial nerve

C:-9th cranial nerve

D:-10th cranial nerve

Correct Answer:- Option-B

Question99:-Corpora quadrigemina is part of

A:-Hypothalamus

B:-Midbrain

C:-Pons

D:-Medula oblongata

Correct Answer:- Option-B

Question100:-Which sulcus separates two functionally different areas of cerebrum sulcus?

A:-Axial sulcus

B:-Complete sulcus

C:-Limiting sulcus

D:-Operculated sulcus

Correct Answer:- Option-C