

Asst. Surgeon Special ^{Qualifying} ~~Exam~~ ^(Exam) AMSQ

Booklet Series

A

Register
Number

[]

2007

MEDICAL SCIENCE

Time Allowed : 3 Hours]

[Maximum Marks : 300

Read the following instructions carefully before you begin to answer the questions.

IMPORTANT INSTRUCTIONS

1. This Booklet has a cover (this page) which should not be opened till the invigilator gives signal to open it at the commencement of the examination. As soon as the signal is received you should tear the right side of the booklet cover carefully to open the booklet. Then proceed to answer the questions.
2. This Question Booklet contains **200** questions.
3. Answer **all** questions. **All** questions carry equal marks.
4. The Test Booklet is printed in *four* series e.g. A B C or D (See Top left side of this page). The candidate has to indicate in the space provided in the Answer Sheet the series of the booklet. For example, if the candidate gets A series booklet, he/she has to indicate in the side 2 of the Answer Sheet with Blue or Black Ink Ball point pen as follows :

A B C D

5. You must write your Register Number in the space provided on the top right side of this page. Do not write anything else on the Question Booklet.
6. An Answer Sheet will be supplied to you separately by the Invigilator to mark the answers. You must write your Name, Register No. and other particulars on side 1 of the Answer Sheet provided, failing which your Answer Sheet will not be evaluated.
7. You will also encode your Register Number, Subject Code etc., with Blue or Black ink Ball point pen in the space provided on the side 2 of the Answer Sheet. If you do not encode properly or fail to encode the above information, your Answer Sheet will not be evaluated.
8. Each question comprises *four* responses (A), (B), (C) and (D). You are to select **ONLY ONE** correct response and mark in your Answer Sheet. In case you feel that there are more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
9. In the Answer Sheet there are **four** brackets [A] [B] [C] and [D] against each question. To answer the questions you are to mark with Ball point pen **ONLY ONE** bracket of your choice for each question. Select one response for each question in the Question Booklet and mark in the Answer Sheet. If you mark more than one answer for one question, the answer will be treated as wrong. e.g. if for any item, (B) is the correct answer, you have to mark as follows :

[A] B C D

10. You should not remove or tear off any sheet from this Question Booklet. You are not allowed to take this Question Booklet and the Answer Sheet out of the Examination Hall during the examination. After the examination is concluded, you must hand over your Answer Sheet to the Invigilator. You are allowed to take the Question Booklet with you only after the Examination is over.
11. Failure to comply with any of the above instructions will render you liable to such action or penalty as the Commission may decide at their discretion.
12. Do not tick-mark or mark the answers in the Question Booklet.

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Tear here

1. Consider the following statements :

Umbilical cord contains

- I. Left Umbilical vein
- II. Left Umbilical artery
- III. Right Umbilical artery
- IV. Right Umbilical vein

Of the statements given

- A) (I) alone is correct
- B) (I) & (II) are correct
- C) (I), (II) & (III) are correct
- D) All are correct.

2. Unlocking of knee joint is done by

- A) Piriformis
- B) Popliteus
- C) Soleus
- D) Gastrocnemius.

3. The round ligament of the liver represents the

- A) obliterated left Umbilical artery
- B) obliterated left Umbilical vein
- C) obliterated right Umbilical vein.
- D) obliterated right Umbilical artery.

4. The structure affected in carpal tunnel syndrome is

- A) Median nerve
- B) Ulnar nerve
- C) Radial nerve
- D) Musculocutaneous nerve.

5. Portal vein is formed by the union of

- A) Inferior mesenteric vein and splenic vein
- B) Superior mesenteric vein and right gastric vein
- C) Splenic vein of superior mesenteric vein
- D) Superior mesenteric vein and inferior mesenteric vein.

6. High concentration of alpha fetoprotein in amniotic fluid is found in

- A) esophageal atresia
- B) renal agenesis
- C) congenital cardiac defects
- D) neural tube defects.

7. Meckel's diverticulum represents
- A) persisting proximal part of vitello-intestinal duct
 - B) persisting part of urachus
 - C) persisting part of umbilical artery
 - D) persisting part of mesonephric duct.

8. Consider the following statements :

The deep nuclei of cerebellum are

- I. Dentate nucleus
- II. Emboliform nucleus
- III. Globose nucleus
- IV. Lentiform nucleus.

Of the statements given

- A) (I) alone is correct
 - B) (I) & (II) are correct
 - C) (I), (II) & (III) are correct
 - D) All are correct.
9. Substantia Nigra is present in
- A) Pons
 - B) Mid-brain
 - C) Medulla oblongata
 - D) cerebellum.
10. Cerebrospinal fluid is secreted by
- A) Cervical plexus
 - B) Choroid plexus
 - C) Coeliac plexus
 - D) Cardiac plexus.

11. Consider the following statements :

The essential constituents of the extra-pyramidal system are

- I. Corpus Striatum
- II. Claustrum
- III. Amygdaloid body
- IV. Corpus callosum.

Of the statements given

- A) (I) alone is correct
- B) (I) & (II) are correct
- C) (I), (II) & (III) are correct
- D) All are correct.

12. Corpus callosum contains

- A) Climbing fibres
- B) Association fibres
- C) Projection fibres
- D) Commissural fibres.

13. Most common tumour of the heart is

- A) Fibromas
- B) Sarcomas
- C) Atrial Myxomas
- D) Carcinomas.

14. Red hepatisation is a stage in

- A) Lobar Pneumonia
- B) Broncho Pneumonia
- C) Interstitial Pneumonia
- D) Restrictive Lung Diseases.

15. The virus closely associated with Burkitt's Lymphoma is

- A) Epstein-Barr Virus
- B) Cytomegalo Virus
- C) Herpes Virus
- D) Hepatitis Virus.

16. Dorothy Reed-Sternberg cells are diagnostic of
- A) Non-Hodgkin's Lymphoma
 - B) Chronic Lymphocytic Leukemia
 - C) Acute Lymphoblastic Leukemia
 - D) Hodgkin's Lymphoma.
17. Bile pigments are absent in the urine in
- A) hemolytic jaundice
 - B) hepatocellular jaundice
 - C) obstructive jaundice
 - D) familial cholestatic jaundice.
18. Urine for Bence-Jones Protein Test is positive in
- A) Nephrotic Syndrome
 - B) Chronic Glomerulonephritis
 - C) Multiple Myeloma
 - D) Malignant Hypertension.
19. Amyloid is characteristically stained with
- A) Congo-red underpolarized microscope
 - B) H & E
 - C) Silver stains
 - D) Collagen stains.
20. Ionising Radiation can act as
- A) Physical Carcinogen
 - B) Tumour Markers
 - C) Chemical Mediators
 - D) Chemotactic factor.
21. Dystrophic calcification is seen in
- A) Hypercalcemia
 - B) Hypocalcemia
 - C) Hyponatremia
 - D) Dead and necrotic tissue.
22. Giant cell tumour of bone is a/an
- A) Metaphyseal lesion
 - B) Epiphyseal lesion
 - C) Diaphyseal lesion
 - D) seen in joint cavities.

23. Paraneoplastic Syndromes are seen with
- A) Renal cell carcinoma and small cell carcinoma of lung
 - B) Granulosa cell tumour of ovary
 - C) Brenner Tumour
 - D) Transitional cell carcinoma of bladder.
24. Astrocytoma is a
- A) Glial tumour
 - B) Carcinoma
 - C) Sarcoma
 - D) Primitive Neuroectodermal tumour.
25. The following statements about obstructive liver disease are true *except*
- A) History of passing dark urine & clay coloured stools
 - B) Elevated serum bilirubin,
 - C) Elevated alkaline phosphatase
 - D) Presence of urobilinogen in urine.
26. Hypercalcemia is seen in all of the following conditions *except*
- A) Primary Hyperparathyroidism
 - B) Tertiary Hyperparathyroidism
 - C) Ectopic production of parathyroid hormone
 - D) Renal disease.
27. The following facts about Metabolic acidosis are true *except*
- A) decreased bicarbonate concentration
 - B) decreased pH
 - C) increased $p\text{CO}_2$
 - D) decreased anion gap.
28. The predominant cation in the intracellular fluid is
- A) Sodium
 - B) Potassium
 - C) Calcium
 - D) Magnesium.

29. All are true for LDL *except*
- A) delivers cholesterol to cell
 - B) contains apo B48
 - C) it is a marker for cardiovascular risk
 - D) contains only one apoprotein.
30. The amino acid necessary for the synthesis of heme is
- A) Glycine
 - B) Tyrosine
 - C) Glutamate
 - D) Arginine.
31. All are hepatic porphyrias *except*
- A) Porphyria variegata
 - B) Porphyria cutanea tarda
 - C) Hereditary coproporphyrria
 - D) Protoporphyrria.
32. The product of heme-oxygenase reaction is
- A) Bilirubin
 - B) Billiverdin
 - C) Urobilin
 - D) Stercobilin.
33. The enzyme. ferrochelatase is deficient in
- A) Hereditary coproporphyrria
 - B) Porphyria variegata
 - C) Protoporphyrria
 - D) Porphyria cutanea tarda.
34. The Biosynthesis of heme requires all of the following *except*
- A) Propionic acid
 - B) Succinyl-CoA
 - C) Glycine
 - D) Ferrous ion.
35. The normal serum ionized calcium is
- A) 5 mg/dl
 - B) 10 mg/ dl
 - C) 15 mg/ dl
 - D) 20 mg/ dl.

36. Lung surfactant is
- A) Dipalmitoyl lecithin B) Dipalmitoyl cephalin
C) Sphingomyelin D) Cerebroside.
37. The lacteals present in the intestinal villi help in the absorption of
- A) Glucose B) Amino acids
C) Fatty acid and glycerol D) Proteins.
38. Tumours of the somatotropes of the anterior pituitary in children lead to
- A) gigantism
B) acromegaly
C) dwarfism
D) cretinism.
39. In girls the event of thelarche refers to
- A) the development of pubic hairs
B) the first menstrual period
C) the development of breast
D) all of these.
40. The action of secretin on pancreatic duct cells is mediated via
- A) cyclic GMP
B) cyclic AMP
C) trophic action
D) none of these.
41. The juxtaglomerular cells of the kidney secrete
- A) Angiotensin I B) Renin
C) Erythropoietin D) Angiotensin II.
42. Salivary secretions contain
- A) lingual lipase B) salivary & amylase
C) mucin D) all of these.

43. Copper-T is an
- A) temporary female contraceptive device
 - B) temporary male contraceptive device
 - C) permanent female contraceptive device
 - D) oral contraceptive device.
44. The normal tidal volume at rest is
- A) 100 ml / min
 - B) 500 ml / min
 - C) 1000 ml / min
 - D) 1500 ml / min.
45. Vector for Epidemic Typhus is
- A) Rat flea
 - B) Tick
 - C) Mite
 - D) Louse.
46. The key protein produced by macrophages on exposure to micro-organisms and other stimuli is
- A) Integrin
 - B) Interleukin - 1
 - C) Interleukin - 2
 - D) Complement.
47. Class I MHC molecules are found in
- A) Erythrocytes and macrophages
 - B) Erythrocytes, β cells and T cells
 - C) T cells only
 - D) all nucleated cells.
48. Rheumatoid factor is an
- A) antinuclear antibody
 - B) antibody to synovial membranes
 - C) antibody to immunoglobulin
 - D) antibody to complement.
49. A hybridoma is a cell formed by fusion of
- A) T cell with a myeloma cell.
 - B) macrophage with a myeloma cell
 - C) plasma cell with a plasma cell of another species
 - D) plasma cell with a myeloma cell.

50. Aseptic meningitis is caused by
- A) Pneumococci
 - B) Meningococci
 - C) Coxsackievirus
 - D) Human Immunodeficiency Virus.
51. Which one of the following is responsible for dental caries ?
- A) Streptococcus agalactiae
 - B) Streptococcus pyogenes
 - C) Streptococcus mutans
 - D) Streptococcus MG.
52. Which one of the following statements is not correct regarding antigenic drift in Influenza virus ?
- A) Abrupt drastic discontinuous variation in antigenic structure
 - B) Gradual sequential change in antigenic structure
 - C) It is due to mutation and selection
 - D) Accounts for periodical epidemics of Influenza.
53. Sterilisation by non-ionising radiation is done using
- A) X-rays
 - B) Gamma rays
 - C) Cosmic rays
 - D) UV rays.
54. Cold agglutinins are seen in the following *except*
- A) Primary atypical pneumonia
 - B) Myasthenia gravis
 - C) Trypanosomiasis
 - D) Black water fever.
55. Isograft refers to graft from
- A) member of same inbred strain
 - B) genetically unrelated member of same species
 - C) self
 - D) different species.

56. Which of the following statements about IgE is not correct ?
- A) It cannot be demonstrated by precipitation
 - B) It is homocytotropic
 - C) It is heat stable
 - D) It does not cross placenta.
57. Choose the potassium sparing diuretic from the following :
- A) Frusemide
 - B) Hydrochlor thiazide
 - C) Spirinolactone
 - D) Bumetanide.
58. Choose the psychotogenic drug from the following :
- A) Chlorpromazine
 - B) Caffeine
 - C) Lithium
 - D) Lysergic acid diethylamide.
59. Lithium carbonate is used as a/an
- A) Anti-depressant Drug
 - B) Anti-psychotic Drug
 - C) Psychotogenic Drug
 - D) Anti-anxiety Drug.
60. Choose the tricyclic anti-depressant from the following
- A) Fluvoxamine
 - B) Fluoxetine
 - C) Imipramine
 - D) Trazodone.
61. Which of the following has antiplatelet action ?
- A) Aspirin
 - B) Diflunisal
 - C) Paracetamol
 - D) Ketorolac.
62. Choose the drug with long half-life from the following :
- A) Ethosuximide
 - B) Phenobarbitone
 - C) Carbamazepine
 - D) Primidone.
63. Which of the following is non-volatile general anaesthetic ?
- A) Thiopental Sodium
 - B) Nitrous oxide
 - C) Chloroform
 - D) Halothane.

72. Caffey's syndrome is otherwise known as
- A) Battered baby syndrome B) Sudden infant death syndrome
 C) Neglect baby syndrome D) None of these.
73. Diatom test is a test used to find out whether the person was alive or dead in the cases of
- A) Hanging
 B) Drowning
 C) Suffocation
 D) None of these.
74. The gravid uterus remains within the pelvic cavity upto
- A) 16 weeks B) 14 weeks
 C) 12 weeks D) None of these.
75. The following tests are biological tests to find out pregnancy *except*
- A) Aschheim-Zondek test
 B) Friedmann modification test
 C) Xenopus test
 D) Phenolphthalein test.
76. The form of sexual perversion in which the infliction of pain, torture and humiliation to the partner act as sexual stimulant, is known as
- A) Masochism B) Fetishism
 C) Sadism D) None of these.
77. An incised wound could be caused by which of the following weapons ?
- A) Cycle chain B) Hammer
 C) Knife D) None of these.
78. The weapon Aruval or Sickle will cause which of the following injuries ?
- A) Blast injury B) Cut injury
 C) Abrasion D) None of these.
79. Before postmortem examination, X-rays should be taken in a case of death due to
- A) Hammer injuries B) Firearm injuries
 C) Aruval injuries D) None of these.

89. Community Medicine as a department was first recommended by
- A) WHO Expert Committee
 - B) Euro Symposium
 - C) Todd Commission
 - D) WHO/UNICEF/ Joint Committee report.
90. Tenth revision of International classification of diseases came into effect on
- A) 1st January, 1993
 - B) 1st January, 1991
 - C) 1st April, 1993
 - D) 1st April, 1991.
91. Ventral Hernia is
- A) Femoral Hernia
 - B) Inguinal Hernia
 - C) Obturator Hernia
 - D) Incisional Hernia.
92. Fracture pelvis is associated with
- A) rupture of urethra
 - B) rupture of ureter
 - C) rupture of urachus
 - D) rupture of umbilicus
93. Which is of the following is correct regarding boundary of Inguinal canal ?
- A) Anteriorly by Transversals fascia
 - B) Posteriorly by Psoas
 - C) Inferiorly by Inguinal ligament
 - D) Superiorly by Rectus abdominis.
94. Seldinger's needle is meant for
- A) Liver Biopsy
 - B) Suture skin
 - C) Arteriography
 - D) Breast Biopsy.
95. Jaboulay's Procedure is surgical procedure for
- A) Hernia
 - B) Hydrocele
 - C) Haemonoids
 - D) Hamartoma.
96. Clinical assessment of varicose veins includes the use of
- A) Hess Test
 - B) Tourniquet Test
 - C) Coombs' Test
 - D) Muscle stretch.

97. In clinical staging of Carcinoma Breast TNM classification of T₂, N₂, M₁ which of the following is correct ?

- A) Tumour size within 5 cm B) Nodes are palpable and motile
C) No metastasis D) Supraclavicular lymph node.

98. Outcome of liver Trauma is

- I) Rapid parenchymal regeneration
II) Associated with Biliary Strictures
III) Liver atrophy
IV) Develop Hepatocellular Carcinoma

Of these

- A) I & II are correct B) II & III are correct
C) III & IV are correct D) I, II & III are correct .

99. 45 year old woman is having irregular bleeding for the past 6 months, the best investigator is

- A) D & C B) Laparoscopy
C) Fractional curettage D) Hysteroqram.

100. Laparoscopy is done for

- A) Infertility B) Endometrial cancer
C) CaCx D) Bartholin's cyst.

101. Fibroid Uterine is diagnosed by

- A) D & C B) Colposcopy
C) Pap smear D) Ultrasound.

102. Submucous fibroid in Nullipara is removed by

- A) Hysteroqramy removal B) Abdominal myomectomy
C) Hysterectomy D) Radiation.

103. The commonest site for Fibroid is

- A) Subserous B) Intramural
C) Cervical D) Submucous.

112. In radical neck dissection, the following structures is removed along with lymph node *except*
- | | |
|--------------------|--------------------------|
| A) Sternomastoid | B) Internal jugular vein |
| C) Accessory nerve | D) Trapezium. |
113. Sistrunk operation is for
- | | |
|------------------------|----------------------|
| A) Branchial cyst | B) Thyroglossal cyst |
| C) Pharyngeal peritone | D) Dermoid cyst. |
114. Mikulicz's cells are found in
- | | |
|---------------------|------------------|
| A) Tuberculosis | B) Rhinoscleroma |
| C) Hansen's disease | D) Sarcoidosis. |
115. Rhinosperidium is treated by
- | |
|--|
| A) Medical management alone |
| B) Surgical excision |
| C) Surgical excision & cauterization of base |
| D) Wait & Notch. |
116. Radiography findings in aclasia cardia include all *except*
- | |
|--|
| A) Oesophageal dealbation |
| B) Rat tail appearance |
| C) Failure of lower oesophageal sphincter to relax |
| D) Diffuse oesophageal spasm. |
117. In Invasive fungal sinuses, the treatment of choice is
- | | |
|--------------------|-------------------------------|
| A) Antihistamine | B) Nasal steroid inhalator |
| C) Amphotericin -B | D) Local nasal decongenstant. |
118. Terminal branches of external & internal carotid arteries supply the mucosa of nares, with frequent anastomosis between these systems. The following vessels take part *except*.
- | | |
|-----------------------------------|------------------------------|
| A) anterior ethmoid artery | B) sphenopalatine artery |
| C) septal branch of facial artery | D) posterior ethmoid artery. |

126. Regarding benign mucosal pemphigoid all the following are true *except*
- A) Onset-Late middle age
 - B) Common in women
 - C) Autoimmune disease
 - D) Heals without scarring.
127. Which one of the following is characteristic of steroid induced acne ?
- A) Comedones
 - B) Seborrhoea
 - C) Cysts
 - D) Monomorphic lesions.
128. Which one of the following is a psychoanalytic based therapeutic model ?
- A) Relaxation therapy
 - B) Token economy
 - C) Hypnosis
 - D) Social skills training.
129. Parietal dysfunction includes the following *except*
- A) Confusional state
 - B) Apraxia
 - C) Anosognosia
 - D) Cortical blindness.
130. Occipital lobe dysfunction is characterised by all the following *except*
- A) Personality change
 - B) Visual hallucination
 - C) Cortical blindness
 - D) Anton's syndrome.
131. Choose the wrong statement regarding Somatization Disorders :
- A) Life time prevalence is 0.5%
 - B) Usually affects women more frequently than men
 - C) Reportedly more common in low socio-economic classes
 - D) Respond well to treatment.
132. The following Medical co-morbidity are possible in schizophrenia *except*
- A) Obesity
 - B) Hyperlipidemia
 - C) Malignant neoplasm
 - D) Bronchial Asthma.

133. Choose the wrong statement in dementia :

- A) Consciousness is clear
- B) Symptoms are stable
- C) Severe cognitive impairments
- D) Predominant feature is mood disturbance.

134. The synthetic components of Opioids are all the following *except*

- A) Heroin
- B) Charas
- C) Pentazocine
- D) Meperidine.

135. Intoxication of cannabies includes all *except*

- A) Confusion
- B) Fearfulness of suspiciousness
- C) intense anxiety & panic attacks
- D) Pupillary constriction.

136. The following are the features of ADHD *except*

- A) Impulsivity
- B) Excitability
- C) Hyperactivity
- D) Elation.

137. Sildenafil is indicated in

- A) Premature ejaculation
- B) Erectile dysfunction
- C) Voyeurism
- D) Homosexuality.

138. The following are common in post-partum period in women *except*

- A) Post-partum blues
- B) Post-natal depression
- C) Post-partum psychosis
- D) Hyperemesis Gravidarum.

139. Descriptive population genetics includes all the following *except*

- A) Twin studies
- B) Adoption studies
- C) Family risk studies
- D) Association studies.

140. Chalazion is due to
- A) inflammation of the meibomian gland
 - B) inflammation of the Zeis gland
 - C) inflammation of Krause's gland
 - D) inflammation of Moll's gland.
141. Cataracta Nigra means
- A) Black cataract
 - B) Red cataract
 - C) Blue cataract
 - D) White cataract.
142. Pterygium of the conjunctiva means
- A) Wing shaped structure
 - B) Butterfly shaped structure
 - C) D-shaped structure
 - D) Circular structure.
143. Aqueous humor is produced by the ciliary body by
- A) Ultrafiltration
 - B) Secretion
 - C) Pump mechanism
 - D) All of these.
144. Leucoma means
- A) full thickness diffuse dense corneal scar
 - B) insignificant scars in the Bowman's membrane
 - C) small epithelial scars
 - D) moderate stromal scars.
145. Iritis consists of which of the following features ?
- A) Miotic pupil
 - B) Flare
 - C) Keratic precipitates
 - D) All of these.
146. Hyphaema means
- A) blood in the vitreous
 - B) blood in the anterior chamber
 - C) blood in the layers of cornea
 - D) blood in the retina.

147. In extracapsular cataract extraction

- A) Nucleus is removed
- B) Cortex is removed
- C) Part of the anterior capsule is removed
- D) All of these.

148. HLA-B₂₇ is strongly associated with

- A) Ankylosing spondylitis
- B) Fibromyalgia
- C) Rheumatoid arthritis
- D) Osteoarthritis .

149. Which activity will be difficult to perform for a patient with an anterior associate deficient knee joint ?

- A) Walk uphill
- B) Walk downhill.
- C) Sit cross-legged
- D) Getting up from sitting.

150. Painful arc syndrome is seen in all except

- A) Complete tear of Supra spinatus
- B) Fracture greater tuberosity
- C) Subacromial Tarsitis
- D) Supra spinatus tendinitis.

151. Chondro calnociosis is seen in

- A) Ochronosis
- B) Rickets
- C) Hypoparathyroidism
- D) Hypervitaminosis D .

152. Three point relationship is reversed in all except

- A) Fracture medial epicondyle
- B) Supra cor.dylar fracture
- C) Fracture lateral epicondyle
- D) Posterior dislocation of elbow.

153. Non-specific Osteomyelitis is caused by

- A) Salmonella
- B) Fungus
- C) Yaws
- D) Staphylococcus Aureus.

154. The principle of limb salvage is
- A) retain the integrity of the skeletal system
 - B) to save life
 - C) not to use endoprosthesis
 - D) all of these.
155. Test for sacroiliac joint involvement is
- A) Dugas' test
 - B) Pump handle test
 - C) Drawer test
 - D) Bryant's test .
156. de Quervain's disease is stenosing tenosynovitis of
- A) flexor of fingers
 - B) extensor and abductor of thumb
 - C) extensor of finger
 - D) lumbricoid.
157. The attitude of the lower limb in posterior dislocation of hip is
- A) flexion, abduction, internal rotation
 - B) flexion, abduction, external rotation
 - C) flexion, adduction, external rotation
 - D) flexion, adduction, internal rotation.
158. The commonest drug used in total intravenous Anaesthesia is
- A) Dipentone sodium
 - B) Diazepam
 - C) Fentanyl
 - D) Propofol.
159. Safe inhalational agent with high range of safety is
- A) halothane
 - B) ether
 - C) nitrous oxide
 - D) cyclopropane.

160. Ketamine causes all of the following except
- A) increases the heart rate
 - B) increased myocardial contractility
 - C) decreases the myocardial oxygen consumption
 - D) hypertension.
161. Suxamethonium causes
- A) depolarising blockade
 - B) non-depolarising blockade.
 - C) causes reduction in sodium-potassium levels
 - D) metabolised in kidneys.
162. The commonest complication of sub-clavian vein cannulation is
- A) Arterial puncture
 - B) Thoracic duct puncture
 - C) Pneumothorax
 - D) Catheter knotting.
163. The spinal cord ends at the
- A) lower border of L₁
 - B) lower border of L₂
 - C) S₁
 - D) T₁₂.
164. Auto degradation occurs with which of the following muscle relaxants ?
- A) Pancuronium
 - B) Vecuronium
 - C) Atracurium
 - D) Gallamine.
165. BLS is a / an
- A) English course
 - B) Book publisher
 - C) Resuscitative measure
 - D) Name of a machine.

166. Endotracheal intubation could be done using

- A) Bronchoscope
- B) Auroscope
- C) Laryngoscope
- D) Laryngeal spray.

167. The only dural venous sinus which joins with the internal jugular vein extracranially is

- A) Superior petrosal sinus
- B) Inferior petrosal sinus
- C) Inferior sagittal sinus
- D) Superior sagittal sinus.

168. The statement given below has five suggested answers. Select one that is correct.

Documentation of sepsis in the newborn is sometimes difficult. Which of the following sites has a low rate of positivity ?

- A) Cerebrospinal fluid
- B) Endotracheal aspirate cultures
- C) Venous blood
- D) Urine culture.

169. The statement given below is followed by five suggested answers. Select the one that is correct.

If a person heterozygous for a recessive trait mates with person Heterozygous for the same trait,

- A) all of the children show the pathologic trait
- B) 75 % of the offsprings show the pathologic trait
- C) 50 % of the offsprings show the pathologic trait
- D) 25 % of the offsprings show the pathologic trait.

170. Which of the following statements concerning Vitamin D metabolism is false ?
- A) Bound to alpha-2 globulin in lymphatics
 - B) Requires bile for absorption
 - C) Kidney is active in metabolism
 - D) Stored in the liver but not metabolised there.
171. Radiographic examination to examine skeletal maturity is best evaluated by X-rays of the
- A) Elbow joint
 - B) Wrist
 - C) Ankle
 - D) Knee joint.
172. The principal cause of Bronchiolitis is
- A) H. Influenza
 - B) Pneumococcus
 - C) Parainfluenza
 - D) Respiratory syncytial virus.
173. Signs of severe dehydration includes each of the following except
- A) rapid feeble pulse
 - B) very sunken Fontanelle
 - C) about tears.
 - D) 5 % body weight loss.
174. The most common type of congenital esophageal malformation is
- A) Esophageal atresia with Distal tracheoesophageal fistula
 - B) Esophageal atresia without fistula
 - C) Tracheoesophageal fistula without atresia
 - D) Esophageal atresia with proximal tracheoesophageal fistula.
175. All of the following metabolic alterations can occur in pyloric stenosis, except
- A) Hypokalemia
 - B) Hypochloremia
 - C) Decreased serum pH
 - D) Dehydration.
176. Measles vaccine is given to a child at the age of
- A) 6 months
 - B) $4\frac{1}{2}$ years
 - C) 9 months
 - D) at birth.

177. Presbyopia can be corrected by using
- A) cylindrical lens
 - B) concave lens
 - C) convex lens
 - D) bifocal lens.
178. The enzyme involved in diffusion and carriage of carbon dioxide in the RBC is
- A) Carbonic anhydrase
 - B) 2, 3 DPG
 - C) Cyclic AMP
 - D) Cyclic GMP.
179. The spontaneous burning pain produced after seemingly trivial injury is called
- A) causalgia
 - B) neuralgia
 - C) allodynia
 - D) angina.
180. The principal hormones secreted by thyroid are
- A) moniodotyrosine and di-iodotyrosine
 - B) moniodotyrosine and tri-iodothyronine
 - C) di-iodotyrosine and tri-iodothyronine
 - D) tri-iodothyronine and tetra-iodothyronine.
181. The muscle, which produces abduction of vocal cord is
- A) lateral cricoarytenoid
 - B) posterior cricoarytenoid
 - C) transverse arytenoid
 - D) cricothyroid.
182. Palatine tonsils develop from
- A) 1st pharyngeal pouch.
 - B) 2nd pharyngeal pouch
 - C) 4th pharyngeal pouch
 - D) 3rd pharyngeal pouch.

183. Antidepressant drugs include the following *except*
- A) SSRI
 - B) SNRI
 - C) NaSSA
 - D) Haloperidol.
184. Drugs that potentiate brain serotonin functions include the following *except*
- A) Imipramine
 - B) Citalopram
 - C) Venlafacine
 - D) Alcohol.
185. Which of the following are the important precautions one should observe before starting the precaution as antipsychotics ?
- A) Complete haemogram
 - B) ECG
 - C) Lipid profile & Blood glucose
 - D) All of these.
186. The following are the ego-defence mechanism *except*
- A) Projection
 - B) Denial
 - C) Displacement
 - D) Intimacy .
187. The following are modes of behaviour therapy *except*
- A) Flooding
 - B) Aversion Therapy
 - C) Modelling
 - D) Hypnosis.

188. The following are psychotherapy *except*
- A) Marital therapy
 - B) Group Therapy
 - C) Supportive Therapy
 - D) Disulphiram Therapy.
189. Limbic system includes the following *except*
- A) Hypothalamus
 - B) Amygdala
 - C) Hippocampus
 - D) Cerebellum.
190. Which of the following is *not* a feature of Klöver-Bucy syndrome ?
- A) Visual Agnosia
 - B) Contabulation
 - C) Oral tendencies
 - D) Plaudity .
191. All of the following statements about thrombocytopenia are true *except*
- A) TTP in children usually follows viral infection
 - B) In adults, we have to rule out HIV
 - C) TTP is due to circulating low molecular weight VWF
 - D) Plasma exchange has to be done in TTP.
192. All of the following are true about cirrhosis of liver *except*
- A) there is peripheral vasodilatation due to nitric oxide
 - B) may have breathless on standing
 - C) hepatic encephalopathy is precipitated by GI haemorrhage
 - D) methotrexate induces cirrhosis by cholestasis.

193. Consider the following statements regarding liver enzymes :

- I) AST is more specific for liver
- II) Alkaline(PO_4)ase is increased in both intra and extrahepatic cholestasis
- III) Elevation of γ -Glutamyl transferase does not necessarily indicates liver disease
- IV) In primary biliary cirrhosis, the predominant Ig is IgM.

Of the statements

- A) All are correct
- B) (I) & (II) are correct
- C) (II), (III) & (IV) are correct
- D) (I), (III) & (IV) are correct

194. All of the following are true regarding gastroesophageal reflux disease *except*

- A) Systemic sclerosis is a risk factor
- B) Alginate containing antacids may worsen the symptoms
- C) Proton pump inhibitors are the drug of choice
- D) It may predispose to malignancy.

195. Diagnostic criteria for Irritable Bowel Syndrome consist of all *except*

Abdominal discomfort con. pain

- A) relieved with defecation
- B) associated with change in frequency of stool
- C) change in consistency
- D) should be present for blots.

196. Match the following :

- Ego defence**
- a) Displacement
 - b) Regression
 - c) Repression
 - d) Sublimation

- Meaning**
- 1) Transferring the emotions
 - 2) Diversion of unacceptable behaviour to acceptable one
 - 3) Adoption of primitive patterns of behaviour
 - 4) Exclusion from anxious emotions

Codes :

	a	b	c	d
A)	1	2	3	4
B)	1	3	2	4
C)	1	3	4	2
D)	1	2	4	3

197. All are dissociative symptoms *except*

- A) Fugue
- B) Pseudodementia
- C) Amnesia
- D) Mutism.

198. Match the following :

- a) Secular trend
- b) Cyclical trend
- c) Seasonal trend
- d) Short-term fluctuations

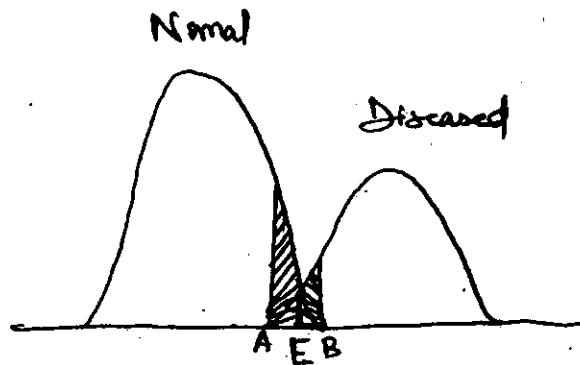
- 1) URI
- 2) Bhopal Gas Tragedy
- 3) Diabetes
- 4) Measles

Codes :

	a	b	c	d
A)	1	4	3	2
B)	1	4	2	3
C)	3	1	4	2
D)	3	4	1	2

199. If the cut-off point *E* moves towards *A* which of the following is correct ?

- A) False positive increases
- B) False negative increases
- C) Both increases
- D) Both decreases.



200. Match the following :

- | | |
|-----------------------|---------------------------|
| a) Intrinsic asthma | 1) Mycoplasma |
| b) Extrinsic asthma | 2) Aspirin intolerance |
| c) Atypical pneumonia | 3) Atopic individuals |
| d) Multiple abscesses | 4) Staphylococcus aureus. |

Codes :

- | | a | b | c | d |
|----|---|---|---|---|
| A) | 3 | 1 | 2 | 4 |
| B) | 2 | 3 | 1 | 4 |
| C) | 2 | 1 | 3 | 4 |
| D) | 3 | 2 | 4 | 1 |