



1. All of the following are used in treatment of acne, EXCEPT
 - (1) Tazorotene
 - (2) Adapalene
 - (3) Isotretinoin
 - (4) -Methotrexate

2. Which antiretroviral drugs are associated with body fat redistribution ?
 - (1) Nucleoside reverse transcriptase inhibitor
 - (2) Non nucleoside reverse transcriptase inhibitor
 - (3) Nucleotide inhibitor
 - (4) - Protease inhibitor

3. The following is NOT true of chancroid
 - (1) The bubo is a multilocular abscess
 - (2) The overlying skin is erythematous and shiny
 - (3) If untreated, the bubo ruptures to form a single sinus
 - (4) The opening of the sinus may enlarge to form a giant ulcer

4. Presence of "clue cells" in vaginal discharge, Gram stained smear is highly diagnostic of
 - (1) Candidiasis
 - (2) - Gardnerella vaginosis
 - (3) Trichomoniasis
 - (4) Chlamydial infection

5. A person was brought in emergency, with the complaints of being fearful on seeing people or objects not seen by others, this is
 - (1) illusion
 - (2) persecutory delusion
 - (3) auditory hallucination
 - (4) - visual hallucination

6. Which one is the Schneider's second rank symptom of schizophrenia ?
 - (1) Audible thoughts
 - (2) Somatic passivity experiences
 - (3) Delusional perceptions ↑
 - (4) Depressive and euphoric mood changes

7. Most of the available MRI contrast media, in present day practice are based on which element ?
 - (1) Copper
 - (2) Manganese
 - (3) Iodine
 - (4) - Gadolinium

8. The basic principle behind ultrasound probe technology is
 - (1) - Piezo-electric effect
 - (2) Photoelectric effect
 - (3) Colorimetric effect
 - (4) Raman effect

9. Which one of the following radioactive isotopes is normally found in the human body in small quantities ?
 - (1) Potassium – 40
 - (2) Iodine – 131
 - (3) Bismuth – 214
 - (4) Fluorine – 18

10. The drug of choice in the front line treatment of acute promyelocytic leukaemia is
 - (1) Cytarabine
 - (2) Arsenic trioxide
 - (3) Pegylated liposomal doxorubicin
 - (4) - All-trans-retinoic acid



11. The most common malignancy found in Marjolin's ulcer is
- (1) basal cell carcinoma
 - (2) • squamous cell carcinoma
 - (3) malignant fibrous histiocytoma
 - (4) malignant melanoma
12. Sphincteric spasm is most commonly seen in
- (1) prolapsed thrombosed haemorrhoids
 - (2) fissure in ano
 - (3) fistula in ano
 - (4) mucosal prolapse rectum
13. Escharotomy is done in
- (1) • circumferential full thickness burns
 - (2) superficial burns
 - (3) deep partial thickness burns
 - (4) electrical burns
14. Electrosurgical injuries during laparoscopy is commonly due to
- (1) monopolar cautery
 - (2) bipolar cautery
 - (3) harmonic scalpel
 - (4) argon laser
15. Which of the following is an absolute contraindication for ritual circumcision ?
- (1) Paraphimosis
 - (2) Meatal stenosis
 - (3) • Hypospadias
 - (4) Balanoposthitis
16. Dentigerous cyst originates from
- (1) the root of caries tooth
 - (2) the periosteum of the fractured mandible
 - (3) • around the crown of an unerupted permanent tooth
 - (4) The sequestrum of osteomyelitis of mandible
17. In a patient with head injury black eye associated with subconjunctival hemorrhage occurs when there is
- (1) fracture of floor and anterior cranial fossa
 - (2) bleeding between the skin and galea aponeurotica
 - (3) hemorrhage between galea aponeurotica and pericranium
 - (4) fracture of greater wing of sphenoid bone
18. The earliest sign in compartment syndrome is
- (1) parasthesia
 - (2) pain on passive stretching
 - (3) pulselessness
 - (4) paralysis
19. FAST ultrasound examination is most useful in
- (1) • abdominal trauma
 - (2) peritonitis
 - (3) acute obstetric emergencies
 - (4) acute neonatal emergencies
20. Pneumoperitoneum is best diagnosed by
- (1) Clinical examination
 - (2) • Plain X-ray abdomen
 - (3) CT scan
 - (4) Ultrasound



21. The most dangerous type of Pneumothorax is
- (1) open
 - (2) closed
 - (3) tension
 - (4) hydropneumothorax
22. The most dangerous type of urinary catheter is
- (1) Red rubber catheter
 - (2) Male metal catheter
 - (3) Foley's catheter
 - (4) Malecot's catheter
23. Diagnostic Peritoneal Lavage (DPL) is most useful in
- (1) acute intestinal obstruction
 - (2) acute appendicitis
 - (3) ascites
 - (4) peritonitis
24. The following is TRUE about penile cancers, EXCEPT
- (1) Chronic Balanoposthitis is known to be a contributory factor
 - (2) Patients with iliac nodal metastases are considered advanced
 - (3) Associated with HPV virus
 - (4) Chemotherapy combined with Radiotherapy is the standard treatment for inguinal nodal metastases
25. Herceptin is a Monoclonal antibody used in
- (1) lung cancer
 - (2) melanoma
 - (3) breast cancer
 - (4) colon cancer
26. Capsule endoscopy is ideal to diagnose
- (1) small bowel cancer
 - (2) small bowel lymphoma
 - (3) occult gastrointestinal bleeding
 - (4) small bowel stricture
27. According to the Glasgow Coma Score, the best predictor of neurological outcome is
- (1) eye response
 - (2) motor score
 - (3) verbal response
 - (4) based on the CT findings
28. Evening primrose oil is used in the treatment of
- (1) lactational mastitis
 - (2) cyclical mastalgia
 - (3) galactocoele
 - (4) diffuse hypertrophy of breasts
29. The investigation of choice for a solitary nodule of thyroid is
- (1) Radio iodine scan
 - (2) Ultrasound
 - (3) CT scan
 - (4) FNAC
30. The LeVeen shunt is performed in
- (1) hydrocephalus
 - (2) recurrent idiopathic pleural effusion
 - (3) ascites
 - (4) pericardial effusion
31. The Kasai procedure is performed for
- (1) pyloric stenosis
 - (2) choledochal cyst
 - (3) Hirschsprung's disease
 - (4) biliary atresia

32. The commonest cause of postoperative hypotension is
- (1) ✓ post spinal hypotension
 - (2) hypovolemia
 - (3) sepsis
 - (4) cardiogenic
33. Ainhum is
- (1) a non-healing ulcer in the sole
 - (2) a band like constriction in the interphalangeal joint that can lead to necrosis
 - (3) ✗ dry gangrene in the toes
 - (4) post traumatic gangrene in the toes
34. External Haemorrhage is best controlled by
- (1) proximal tourniquet
 - (2) elevation
 - (3) local pressure
 - (4) local haemostatic agents
35. Sengstaken Blackmore Tube is used in the management of
- (1) rectal varices
 - (2) ✗ esophageal varices
 - (3) bleeding duodenal ulcer
 - (4) gastric erosions
36. Defects in sperm morphology is known as
- (1) Asthenospermia
 - (2) Teratospermia
 - (3) Azoospermia †
 - (4) Necrospermia †
37. Assessment of patient with prostatism include all, EXCEPT
- (1) Rectal examination
 - (2) Serum prostate specific antigen
 - (3) Pressure flow urodynamic studies
 - (4) ✗ Transrectal ultrasound scanning
38. Sistrunk's operation consists of
- (1) excision of hyoid bone and cone of tongue muscle
 - (2) excision of hyoid bone and the cyst
 - (3) ✗ excision of central part of hyoid bone and cone of tongue muscles upto foramen caecum
 - (4) excision of cyst only
39. Lumbar canal stenosis is always associated with
- (1) intermittent neurogenic claudication
 - (2) positive straight leg raising test
 - (3) stiff lower limbs
 - (4) early sphincter disturbances
40. Which of the following statements about sigmoid volvulus is INCORRECT ?
- (1) More common with laxative abuse
 - (2) Non-operative treatment has no role
 - (3) Recurrence rate is around 40%
 - (4) Sigmoid resection is definitive treatment
41. Commonest malignant tumour of the skeletal system is
- (1) ✓ Osteosarcoma
 - (2) Ewing's sarcoma
 - (3) Secondary tumour deposit ✗
 - (4) Chondrosarcoma




42. Volkmann's ischemia is a known complication in
- (1) ✓ Supracondylar fracture of the humerus
 - (2) Lateral condyle fracture of the humerus
 - (3) Thoracic outlet syndrome
 - (4) Raynaud's syndrome
43. A patient sustains a humeral fracture that results in radial nerve palsy. At which of the following time points would an electrodiagnostic study be performed to check the integrity of the radial nerve ?
- (1) Immediately following the injury
 - (2) 7 days following the injury
 - (3) 21 days following the injury
 - (4) 6 to 8 weeks following the injury
44. Garden's grading is for the classification of
- (1) Trochanteric fracture
 - (2) Fracture calcaneum
 - (3) Intra articular fracture of upper end tibia
 - (4) ✓ Fracture neck of femur
45. The commonest site of fracture clavicle is
- (1) ✓ junction of the middle and outer third
 - (2) middle third
 - (3) inner third
 - (4) lateral third
46. Commonest type of vertebral tuberculosis is
- (1) ✓ Para discal type
 - (2) Central type
 - (3) Anterior type
 - (4) Appendicular type
47. Dislocation of the head of the radius with fracture of the upper third of the ulna is known as
- (1) ✓ Monteggia fracture dislocation
 - (2) Galliazi fracture dislocation
 - (3) Garden's fracture dislocation
 - (4) Pott's fracture dislocation
48. Complete Clawhand is due to paralysis of
- (1) ulnar and medial nerve
 - (2) ulnar and radial nerve
 - (3) ✓ median and radial nerve
 - (4) median, ulnar and radial nerve
49. Not associated with Osteogenesis Imperfecta is
- (1) blue sclera ✓
 - (2) deafness
 - (3) fractures ↑
 - (4) ✓ cataract
50. The basic structural unit of lamellar bone is
- (1) Osteocyte
 - (2) ✓ Osteoblast
 - (3) Osteoclast
 - (4) Osteon
51. Merciful anosmia is seen in
- (1) ✓ atrophic rhinitis
 - (2) allergic rhinitis
 - (3) ethmoidal polyposis
 - (4) Wegener's granulomatosis
52. Acoustic neuroma most commonly arises from
- (1) nervous intermedius
 - (2) ✓ superior vestibular nerve
 - (3) inferior vestibular nerve
 - (4) cochlear nerve



53. The surgical procedure currently recommended for ethmoidal polyposis is
(1) ✓ functional endoscopic sinus surgery
(2) Caldwell-Luc's procedure
(3) Sinuscopy
(4) antral lavage
54. Which surgery is commonly performed for unsafe CSOM ?
(1) Myringotomy
(2) Myringoplasty
(3) Modified radical mastoidectomy
(4) ✓ None of the above
55. Frisch bacillus causes
(1) rhinoscleroma
(2) ✓ rhinosporidiosis
(3) rhinophyma
(4) lupus vulgaris
56. Emergency tracheostomy is NOT indicated in
(1) acute severe asthma
(2) foreign body in respiratory tract
(3) laryngeal cancer producing stridor
(4) ✓ bilateral vocal cord paralysis
57. Labyrinthine artery is a branch of
(1) ✓ anterior inferior cerebellar artery
(2) posterior inferior cerebellar artery
(3) middle meningeal artery
(4) basilar artery
58. Cork screw esophagus seen on barium swallow is a feature of
(1) achalasia cardia
(2) ✓ diffuse esophageal spasm
(3) nut-cracker esophagus
(4) gastroesophageal reflux
59. The most frequent congenital laryngeal lesion is
(1) laryngomalacia
(2) ✓ subglottic hemangioma
(3) congenital subglottic stenosis
(4) laryngeal web
60. Multiple nasal polypi in children should guide the clinician to search for underlying
(1) Mucoviscidosis
(2) ✓ Celiac disease
(3) Hirschsprung disease
(4) Sturge Weber Syndrome
61. Cyclitic membrane gives rise to
(1) exudative retinal detachment
(2) ✓ rhegmatogenous retinal detachment
(3) solid retinal detachment
(4) tractional retinal detachment
62. Munsen sign is seen in cases of
(1) keratoglobus
(2) buphthalmos
(3) ✓ keratoconus
(4) anterior staphyloma
63. The following bacterium is capable of invading the normal cornea through an intact epithelium
(1) Staphylococcus aureus
(2) ✓ N. gonorrhoeae
(3) Streptococcus pneumoniae
(4) Pseudomonas

64. A single dose treatment with which one of the following antibacterial drugs is effective in trachoma ?
- (1) Sulphonamide
 - (2) Erythromycin
 - (3) Doxycycline
 - (4) Azithromycin
65. Band shaped keratopathy is treated with
- (1) Propamide isethionate
 - (2) EDTA (Ethylenediamine tetra acetic acid)
 - (3) Polyhexamethyl biguanide
 - (4) Chlorhexidine
66. Exposure keratopathy is seen in cases of paralysis of
- (1) oculomotor nerve
 - (2) trigeminal nerve
 - (3) abducens nerve
 - (4) facial nerve
67. One of the following is tried to prevent recurrence of pterygium after removal
- (1) Mitomycin C drops
 - (2) Chloromycetin
 - (3) Natamycin
 - (4) Amphotericin B
68. Photophthalmia is caused by
- (1) infra red rays
 - (2) ultra violet rays
 - (3) X rays
 - (4) β radiation
69. Wernicke hemianopic pupillary response is seen with a lesion at the
- (1) optic chiasma
 - (2) optic tract
 - (3) lateral geniculate body
 - (4) optic radiation
70. One of the following is NOT true for the ciliary body
- (1) Extends just 10 mm from the corneoscleral junction
 - (2) Produces aqueous humour
 - (3) Is responsible for accommodation
 - (4) Consists of the pars plicata and pars plana
71. Cleavage of placental separation after birth of baby occurs through which layer ?
- (1) Superficial compact layer
 - (2) Deep spongy layer
 - (3) Nitabuch's layer
 - (4) Basal layer
72. Detection of pulsations of the vaginal and uterine arteries in the vaginal fornices in early pregnancy is
- (1) Jacquemier's sign
 - (2) Goodell's sign
 - (3) Oslander's sign
 - (4) Piskacek's sign
73. All of the following blood coagulation factors are markedly increased in pregnancy, EXCEPT
- (1) Factor I
 - (2) Factor IX
 - (3) Factor X
 - (4) Factor XIII

74. What is the type of pelvis if the inlet is triangular, side walls of the cavity are convergent and subpubic angle is narrow ?
(1) Gynaecoid ✓ 
(2) Anthropoid
(3) Android
(4) Platypelloid ✓
75. During ultrasonography, foetal abdominal circumference is measured in the reference plane
(1) of stomach
(2) of kidney
(3) where the umbilical vein is perpendicular to the spine ✓
(4) of liver and spleen
76. All are indications for medical management of unruptured tubal pregnancy, EXCEPT
(1) Serum human chorionic gonadotrophin <2000 IU/L
(2) Size of the mass 6 cm ✓
(3) Haemodynamically stable
(4) No intra abdominal haemorrhage
77. Fetal anticonvulsant syndrome comprises all of the following fetal malformations, EXCEPT
(1) Cardiac anomalies
(2) Congenital cystic adenoid malformation ✓
(3) Facial dysmorphism
(4) Craniofacial defects
78. Drug of first choice for treatment of hyperthyroidism during pregnancy is
(1) Propranolol
(2) Carbimazole ✓
(3) Methimazole
(4) Propylthiouracil
79. Which is the largest diameter of foetal skull ?
(1) Submento-bregmatic ✓
(2) Suboccipito-frontal
(3) Occipito-frontal
(4) Suboccipito-bregmatic ✓
80. Foetal red cells are detected in maternal circulation by
(1) amniocentesis
(2) indirect Coombs' test
(3) chorion villus sampling
(4) Kleihauer – Betke test ✓
81. The treatment of choice for postnatal depression is
(1) progestogen therapy
(2) imipramine therapy ✓
(3) fluoxetine therapy
(4) haloperidol therapy
82. Which of the following is NOT suitable for outlet forceps application ?
(1) Good uterine contractions ✓
(2) Sagittal suture in antero posterior diameter
(3) Rotation does not exceed 45 degrees
(4) Leading bony point at +2 station
83. Internal rotation of the fetus occurs
(1) at brim of the pelvis ✓
(2) as the head reaches the pelvic floor
(3) at the outlet
(4) during delivery of the head

84. Asynclitism is diagnosed when
- (1) sagittal suture is deflected from transverse diameter of pelvis
 - (2) ✓ face presents at the inlet
 - (3) head is deflexed
 - (4) sagittal suture is oblique in the pelvis
85. Diamniotic – dichorionic twin will result if the fertilized egg divides
- (1) within 3 days
 - (2) between 4th to 8th day
 - (3) after 8th day
 - (4) after 15th day
86. CA 125 is elevated in all of the following, EXCEPT
- (1) Endometriosis
 - (2) Epithelial ovarian cancers
 - (3) Pelvic inflammatory disease
 - (4) ✓ Germ cell tumours of ovary
87. Which one may not be associated with secondary congestive dysmenorrhoea ?
- (1) Endometriosis ✓
 - (2) Fibroid uterus ✓
 - (3) ✓ Chronic pelvic infection
 - (4) Metropathia haemorrhagica
88. Which one of the following CANNOT be diagnosed by laparoscopy ?
- (1) Unicornuate uterus
 - (2) Rudimentary horn
 - (3) Bicornuate uterus
 - (4) ✓ Septate uterus
89. In the medical management of dysfunctional uterine bleeding, all are used, EXCEPT
- (1) Nonsteroidal anti inflammatory agents
 - (2) Tranexamic acid ✓
 - (3) ✓ Progestogens
 - (4) Androgens
90. 'Powder burn' spots over pelvic viscera are seen in
- (1) pelvic inflammatory disease
 - (2) germ cell tumours of ovary
 - (3) tuberculosis
 - (4) ✓ endometriosis
91. The drug of choice for the treatment of Monilial vaginitis is
- (1) ✓ Metronidazole
 - (2) Doxycycline
 - (3) Fluconazole
 - (4) Clindamycin
92. Which one is LEAST likely to be present in Down's syndrome ?
- (1) Hypoplasia of middle phalanx of 5th ✓ finger
 - (2) Endocardial cushion defects ✓
 - (3) ✓ Gastrointestinal atresias
 - (4) Renal anomalies
93. Which one differentiates choriocarcinoma from invasive mole ?
- (1) Haemorrhage and necrosis
 - (2) ✓ Absence of villi on histology
 - (3) Presence of cannon – ball metastases
 - (4) High level of chorionic gonadotrophins

94. Conization is required for all the following, EXCEPT
- (1) Endocervical dysplasia
 - (2) Non visualisation of transformation zone
 - (3) High grade squamous intraepithelial neoplasia (HSIL)
 - (4) Where there is discrepancy between findings of cytology, colposcopy and biopsy
95. Involvement inguinal lymphnodes in endometrial cancer makes the FIGO stage
- (1) III B
 - (2) III C
 - (3) IV A
 - (4) IV B
96. Which technique of sterilization carries the lowest failure rate?
- (1) Laparoscopic coagulation
 - (2) Pomeroy's technique
 - (3) Madlener's technique
 - (4) Vaginal route
97. Which one is NOT TRUE about injectable contraceptive 'depot medroxy progesterone acetate' ?
- (1) Causes cervical mucus thickening ^T
 - (2) Pregnancy rate 3% _{DMPA}
 - (3) Inhibits ovulation
 - (4) Produces endometrial atrophy
98. Longest time for replacement is seen in which of the following intrauterine devices ?
- (1) CuT 380A
 - (2) CuT 375
 - (3) CuT 250
 - (4) CuT 200
99. Combined oral contraceptive pills are protective against all, EXCEPT
- (1) autoimmune disorders of thyroid
 - (2) depression
 - (3) benign breast disease
 - (4) endometriosis
100. Indications for removal of IUD are
- (1) excessive uterine bleeding
 - (2) flaring up of pelvic infection
 - (3) uterine perforation
 - (4) all of the above
101. Which of the following is FALSE about coronary sinus ?
- (1) Located in left posterior coronary sulcus
 - (2) Its opening into right atrium is guarded by thebesian valve
 - (3) Develops from left horn and body of sinus venosus
 - (4) Anterior cardiac veins drain into coronary sinus
102. Long head of the triceps arises from
- (1) infraglenoid tubercle of scapula
 - (2) supraglenoid tubercle of scapula
 - (3) coracoid process
 - (4) acromion of the scapula
103. Major blood supply to posterior femoral muscles is provided by
- (1) perforating branches of profunda femoris artery
 - (2) obturator artery
 - (3) superior gluteal artery
 - (4) popliteal artery

104. Stapedius muscle is supplied by which of the following nerves ?

- (1) ✓ Facial nerve
- (2) Auditory
- (3) Maxillary
- (4) Mandibular

105. All of the following are contents of femoral sheath, EXCEPT

- (1) ✓ Femoral nerve
- (2) Femoral vein
- (3) Femoral artery
- (4) Lymph nodes

106. A decrease in extracellular Ca^{+} concentration

- (1) Increase the excitability of the nerve
- (2) Decrease the excitability of the nerve
- (3) ✓ Does not have any effect on the excitability
- (4) Effect on nerve excitability can be variable

107. Substance used to measure effective Renal Plasma flow is

- (1) ✓ inulin
- (2) PAH
- (3) creatinine
- (4) urea

108. Hyperventilation may give rise to

- (1) hypercalcemia
- (2) respiratory acidosis
- (3) ✓ respiratory alkalosis
- (4) neuronal depression

109. When the viscosity of the blood is increased which of the following is increased ?

- (1) Mean blood pressure
- (2) Radius of resistance vessels
- (3) Radius of the capillary vessels
- (4) Central venous pressure

*↑ flow
Resistance*

110. A primary function of the basal ganglia is

- (1) short term memory
- (2) ✓ planning voluntary movements
- (3) neuroendocrine control
- (4) slow wave sleep

111. The vasodilatory action of Nitric Oxide (NO) is due to activation of

- (1) adenylate cyclase
- (2) cAMP phosphodiesterase
- (3) cGMP phosphodiesterase
- (4) ✓ Guanylate cyclase

112. Which of the following genes has an antiapoptotic role ?

- (1) Bax
- (2) P53
- (3) Fas
- (4) ✓ Bcl-2

113. Insulin promotes glucose transport in adipose tissue and skeletal muscle through recruitment of which glucose transporter to plasma membrane ?

- (1) GLUT-1
- (2) GLUT-2
- (3) ✓ GLUT-4
- (4) GLUT-5

*↓ CO₂
Res.*

114. Niacin can be synthesized in the body from
- (1) Tyrosine
 - (2) ✓ Tryptophan
 - (3) Threonine
 - (4) Taurine
115. Toxicity of which of the following may lead to acquired porphyria ?
- (1) ✓ Zinc
 - (2) Lead
 - (3) Mercury
 - (4) Selenium
116. All of the followings cause weight gain, EXCEPT
- (1) ✓ Valproic acid
 - (2) Gabapentin
 - (3) Vigabatrin
 - (4) Topiramate
117. Therapeutic uses of PGE₁ are all, EXCEPT
- (1) ✓ Impotency
 - (2) MTP
 - (3) Primary pulmonary hypotension
 - (4) Maintenance of patent ductus arteriosus
118. Which of the following drug is urinary tract analgesic ?
- (1) Aspirin
 - (2) Methenamine
 - (3) Nitrofurantoin
 - (4) ✓ Phenazopyridine
119. Flu-like syndrome is a well known side effect of
- (1) Tetracycline
 - (2) Metronidazole
 - (3) ✓ Rifampicin
 - (4) Vancomycin
120. This anticancer agent which produces a type of megaloblastosis that is unresponsive to both Vit B-12 and folic acid ?
- (1) Mechlorethamine
 - (2) ✓ Cladribine
 - (3) Hydroxyurea
 - (4) Temozolomide
121. Transmitted by body louse
- (1) Relapsing fever
 - (2) Trench fever
 - (3) Epidemic typhus
 - (4) ✓ All of the above
122. The predominant antibody in secondary immune response is
- (1) ✗ IgM
 - (2) ✓ IgG
 - (3) IgA
 - (4) IgE
123. All of the following cause opportunistic infections in immunocompromised individuals, EXCEPT
- (1) Cryptosporidium parvum
 - (2) ✓ Balantidium coli
 - (3) Iso spora belli
 - (4) Toxoplasma gondii

124. Helical symmetry of Nucleic acid is seen in
(1) ✓ Vaccinia virus
(2) Influenza virus
(3) Bacteriophage
(4) Rabies virus
125. Non bile stained eggs that are seen in the stool
(1) Ascaris lumbricoides
(2) Ankylostome duodenale
(3) Trichuris Trichura
(4) ✓ Tachi Saginata
126. All the following statements are TRUE regarding usage of Oral Contraceptives (OCs), EXCEPT
(1) ✓ Increases the incidence of Endometrial and ovarian cancers
(2) Increases the risk of venous thrombosis and pulmonary thromboembolism
(3) Increases the risk of myocardial infarction in smoking women in all ages
(4) Well defined association between Hepatic adenoma and use of Oral Contraceptives in older women who used OCs for prolonged periods of time
127. All the statements are correct in Autophagy, EXCEPT
(1) It is a process in which a cell eats its own contents ✓
(2) It is a survival mechanism in times of nutrient deprivation ✓
(3) The starved cell lives by cannibalizing itself and recycling the digested contents
(4) ✓ It is not regulated by any defined set of "genes"
128. Weibel – palade bodies are present in
(1) Vascular endothelial cells
(2) ✓ Warthin Finkedly cells
(3) ✓ Leydig cells
(4) Dendritic cells
129. False statement in collapsing glomerulopathy is
(1) It is a morphologic variant of FSGS (Focal Segmental Glomerulosclerosis)
(2) ✓ Microscopically retraction and / or collapse of the entire glomerular tuft is seen
(3) There is no proliferation or hypertrophy of glomerular visceral epithelial cells
(4) It may be idiopathic or HIV associated nephropathy ✓
130. All statements are TRUE about properties of Amyloid, EXCEPT
(1) By electron microscope, it is made up largely continuous non-branching fibrils with a diameter of approximately 7.5 to 10 nm
(2) This electron microscope structure is not identical in all types of Amyloid
(3) X-ray crystallography and infrared spectroscopy demonstrates a characteristic cross - β -pleated γ sheet conformation
(4) Congo red staining shows apple green birefringence under ✓ polarising microscope.

131. Incorrect statement in marble bone disease is
- (1) Morphological changes are due to deficient osteoclastic activity
 - (2) The primary spongiosa which is normally removed during growth persists and fills the medullary canal
 - (3) The bones lack a medullary canal
 - (4) The ends of long bones are normal
132. Pharmacological agents that inhibit 5α -reductase and diminish dihydrotestosterone synthesis in the prostate have the greatest effect on which of the following prostatic lesions ?
- (1) Acute prostatitis
 - (2) Adeno carcinoma
 - (3) Chronic prostatitis
 - (4) Nodular hyperplasia
133. One of the following variants of papillary carcinoma thyroid occurs in younger individuals including children with lymphonodal metastases in almost all cases and morphologically simulates Hashimoto Thyroiditis is .
- (1) Tall - cell variant
 - (2) Follicular variant
 - (3) Diffuse sclerosing variant
 - (4) Oncocytic variant
134. Which one of the following is an immunohistochemical stain for malignant melanoma ?
- (1) Chromogranin
 - (2) GFAP
 - (3) HMB - 45
 - (4) Pan - T (CD₃)
135. Red cells containing granules of non-haem iron which gives positive Prussian blue reaction with Perl's stain as well as stain with Romanowsky dyes (referred to as Pappenheimer bodies) are known as
- (1) Schistocytes
 - (2) Spherocytes
 - (3) Sideroblasts
 - (4) Siderocytes
136. The Locards method of identification means
- (1) Dactylography
 - (2) Poroscopy
 - (3) Anthropometry
 - (4) Cheiloscopy (lip prints)
137. Injury commonly seen in a case of infantile whiplash syndrome is
- (1) subdural haematoma
 - (2) damage to cervical vertebrae
 - (3) laceration of liver
 - (4) bursting of urinary bladder
138. Doctrine of Res Ipsa loquitur can be applied in
- (1) Prescription of overdose
 - (2) Complications in an operation
 - (3) Failure to achieve total cure
 - (4) Contributory negligence
139. Transverse tear in the intima of carotid arteries may be seen in
- (1) partial hanging
 - (2) judicial hanging
 - (3) Bansdola strangulation
 - (4) garrotting

140. Metal fume fever is caused by inhalation of fumes of
- (1) Arsenic
 - (2) Iodine
 - (3) ✓ Zinc
 - (4) Phosphorus
141. 'Learned behaviour which is socially acquired' is known as
- (1) customs
 - (2) ✓ acculturation
 - (3) standard of living
 - (4) culture
142. Cluster testing is useful in detecting cases of
- (1) measles
 - (2) sexually transmitted infections
 - (3) unimmunized children
 - (4) ✓ completely immunized children in the age group of 12 – 23 months
143. The most common cancer in India amongst male is
- (1) stomach cancer
 - (2) ✓ oropharyngeal cancer
 - (3) lung cancer
 - (4) prostate cancer
144. Which of the following is the national level system that provides annual as well as state level reliable estimates of fertility and mortality ?
- (1) Civil Registration System
 - (2) Census
 - (3) Ad-hoc survey
 - (4) ✓ Sample Registration System
145. Programme analysis is expressed in terms of results achieved e.g. number of lives saved in which of the following tool of analysis ?
- (1) Cost Benefit Analysis
 - (2) Cost Accounting Analysis
 - (3) Input-Output Analysis
 - (4) ✓ Cost-Effectiveness Analysis
146. In UNICEF's GOBI Campaign, 'O' stands for
- (1) oral contraceptives
 - (2) ✓ oral rehydration therapy
 - (3) obesity
 - (4) occupational hazards
147. What is the colour coding of bag in hospital to dispose the human anatomical waste such as body parts ?
- (1) ✓ Yellow
 - (2) Black
 - (3) Red
 - (4) Blue
148. Sling Psychrometer is being used to measure
- (1) relative humidity
 - (2) ✓ absolute humidity
 - (3) radiant heat
 - (4) temperature
149. In a population to prevent coronary artery disease changing harmful lifestyles by education is referred to as
- (1) high risk strategy
 - (2) ✓ primary prevention
 - (3) secondary prevention ✓
 - (4) tertiary prevention

150. One of the following statements regarding Japanese Encephalitis is FALSE
- (1) ✓ It is aedes aegypti borne viral disease of humans and pigs.
 - (2) Pigs serve as amplifying hosts for this flavivirus infection.
 - (3) The incubation period is usually more than 15 days.
 - (4) The fatality rate ranges between 25% and 40%.
151. Cardiac abnormality in Marfan's syndrome includes all, EXCEPT
- (1) Mitral regurgitation
 - (2) ✓ Aortic regurgitation
 - (3) Aortic root dilatation
 - (4) Coronary artery aneurysm
152. A positive Gower's sign is typical of
- (1) sciatic syndrome
 - (2) lumbar canal stenosis
 - (3) ✓ muscular dystrophy
 - (4) diabetic neuropathy
153. A middle aged hypertensive man comes with severe chest pain radiating to the back and hypotension with left sided pleural effusion. The probable diagnosis is
- (1) acute M.I.
 - (2) ✓ acute aortic dissection
 - (3) rupture of the oesophagus
 - (4) acute pulmonary embolism
154. Cardinal sign in tabes dorsalis is
- (1) ✓ sensory ataxia
 - (2) brisk muscle stretch reflexes
 - (3) spasticity
 - (4) extensor plantar
155. Dopamine is synthesized by cells of
- (1) ✓ substantia nigra
 - (2) subthalamic nuclei
 - (3) putamen
 - (4) globus pallidus
156. Earliest presentation of hepatic encephalopathy is
- (1) convulsions
 - (2) ✓ altered sleep pattern
 - (3) stupor
 - (4) coma
157. Drug used to prevent niacin induced flushing is
- (1) Paracetamol
 - (2) Cetrizine
 - (3) ✓ Aspirin
 - (4) Dexamethasone
158. Septicaemic shock with multi organ failure is treated by
- (1) Adrenaline
 - (2) Ephedrine
 - (3) Phenylephrine
 - (4) ✓ Nor-epinephrine
159. Electric shock like sensation that spreads to arms, down the spine and even into legs with neck flexion is known as
- (1) Babinski's sign
 - (2) Beaver's sign
 - (3) ✓ Lhermitte's sign
 - (4) Tinel's sign
160. Cardiac tamponade is characterized by the following, EXCEPT
- (1) Pulsus paradoxus
 - (2) Electrical alternans
 - (3) ✓ Kussmaul's sign
 - (4) RV diastolic collapse by echo



161. Tangier's disease is associated with
(1) high LDL
(2) high TG
(3) high HDL
(4) ✓ low HDL
162. Magnesium deficiency can cause all, EXCEPT
(1) Impaired synthesis of $1,25(\text{OH})_2\text{D}$
(2) Cellular resistance to PTH
(3) ✓ Hypokalemia
(4) Hyperkalemia
163. Maturity – onset diabetes of the young (MODY) associated with glucokinase gene defect is
(1) MODY – 1
(2) ✓ MODY – 2
(3) MODY – 3
(4) MODY – 4
164. Antihyperglycemic drug known to cause pancreatitis is
(1) Exenatide
(2) Metformin
(3) ✓ Sulphonylurea
(4) Thiazolidinedions
165. The most common psychiatric disturbance in Parkinson's disease is
(1) mood elevation
(2) anxiety neurosis
(3) ✓ depression
(4) panic disorder
166. Post infective IBS is most commonly secondary to infection with
(1) ✓ Campylobacter
(2) Salmonella
(3) Shigella
(4) Rotavirus
167. Anticonvulsant of first choice in a young patient who has generalised tonic status epilepticus is
(1) carbamazepine
(2) propofol
(3) pentobarbitone
(4) ✓ fosphenytoin
168. The hydrogen potassium ATPase blocker used in peptic ulcer is
(1) Proglumide
(2) Sulpiride
(3) Sucralfate τ
(4) Omeprazole
169. Gold standard for diagnosis of acute mesenteric vascular occlusion is
(1) Mesenteric angiography
(2) CT scan
(3) ✓ MR angiography
(4) Laparotomy
170. All the following are risk factors for atherosclerosis, EXCEPT
(1) Low HDL
(2) Increased waist-hip ratio
(3) ✓ Low fibrinogen
(4) High LDL
171. Causes of tubular proteinuria include all the following, EXCEPT
(1) Alport's syndrome
(2) ✓ Sarcoidosis
(3) Cystinosis
(4) Balkan nephritis
172. Achalasia cardia is treated by
(1) Ballon dilatation
(2) Heller's operation
(3) Nifedipine
(4) ✓ All of the above

H + K⁺ ATPase

173. Which one of the following is NOT a 5HT receptor antagonist ?
- (1) Ketanserin
 - (2) Methysergide
 - (3) ✓ Tropicsetron
 - (4) Lanreotide
174. Which is NOT true of Rheumatoid arthritis ?
- (1) ✓ Eosinopenia
 - (2) Neutropenia
 - (3) Ineffective erythropoiesis
 - (4) Thrombocytosis is present
175. Antimitochondrial antibodies are found in
- (1) drug induced hepatitis
 - (2) chronic active hepatitis
 - (3) primary biliary cirrhosis ✓
 - (4) ✓ all of the above
176. In chronic myelogenous leukaemia, the serum vitamin B₁₂ levels are
- (1) normal ✓
 - (2) elevated
 - (3) slightly decreased
 - (4) markedly decreased
177. Metabolic bone disease associated with café au lait macules (CALM)
- (1) Mc cune Albright syndrome
 - (2) Osteogenesis imperfecta
 - (3) Pyknodystosis
 - (4) Paget's disease
178. All of the following are TRUE about nephritic syndrome, EXCEPT
- (1) 85% experience minimal change in disease
 - (2) Elevated serum cholesterol
 - (3) Hypoalbuminemia is the cause of the hypoproteinemia
 - (4) ✓ Reduced sodium reabsorption by the kidney
179. A patient aged 66 years complains of fatigue. On examination he had anemia lymphadenopathy and hepatosplenomegaly
- Inv: Blood examination revealed normocytic normochromic anemia with malignant lymphocytes in peripheral smear, increased IgM and light chains in urine of Kappa variety. What is the likely diagnosis ?
- (1) IgM myeloma
 - (2) ✓ Waldenstrom's macroglobulinemia
 - (3) CLL
 - (4) POEMS syndrome
180. Sudden Cardiac Death (SCD) can occur in the following diseases, EXCEPT
- (1) Prolonged Q-T syndrome
 - (2) W-P-W syndrome
 - (3) ✓ Ventricular septal defect
 - (4) Hypertrophic cardiomyopathy
181. Wiskott – Aldrich syndrome is characterized by all of the following, EXCEPT
- (1) X – linked recessive mode of inheritance
 - (2) Atopic dermatitis and eczema during infancy
 - (3) ✓ Thrombocytopenia
 - (4) IgE is decreased

182. Reactive arthritis, erythema nodosum, haemolytic anemia and dysentery occur more often in enteric infections with
- (1) Entamoeba histolytica
 - (2) Yersinia enterocolitica
 - (3) ✓ Campylobacter jejuni
 - (4) Cryptosporidium parvum
183. One of the following is NOT a feature of congenital rubella syndrome.
- (1) Deafness
 - (2) Microphthalmia
 - (3) ✓ Hepatitis
 - (4) Cataracts
184. Basophilic stippling of red cells in a child with hypochromic, microcytic anaemia is indicative of
- (1) Beta Thalassemia minor and major
 - (2) Copper deficiency induced anaemia
 - (3) ✓ Lead poisoning
 - (4) X – linked recessive sideroblastic anaemia
185. Regarding splenomegaly, one of the following statements is FALSE
- (1) Spleen tip may be palpable in 15 percent of normal neonates and 10 percent of normal children ✓
 - (2) To become palpable below the costal margin on abdominal examination, it must be twice or thrice its normal size ✓
 - (3) Splenomegaly is a characteristic finding in aplastic anemia and idiopathic thrombocytopenic purpura ✓
 - (4) Childhood osteopetrosis and prehepatic portal hypertension have significantly large spleen on examination ✓
186. Cherry red spot in the fundus would be characteristic of
- (1) Galactosemia
 - (2) ✓ Niemann Pick disease
 - (3) Glycogen storage disease Type I
 - (4) Hurler's syndrome
187. A 5 year old boy with Down's syndrome is found to have 21 / 21 Translocation. The Chromosomal analysis of the parents revealed the father to have a balanced translocation. The mother has missed a period and the parents want to know the risk for the fetus.
- (1) 15%
 - (2) ✓ 25%
 - (3) 40%
 - (4) 100% ✓
188. One of the following investigative features is NOT indicative of severe malaria
- (1) Hypoglycemia
 - (2) Lactic acidosis
 - (3) Haemoglobinuria
 - (4) ✓ Macrocytic RBCs
189. In neonates with duodenal atresia, all the following statements are TRUE, EXCEPT
- (1) Increased incidence is seen in Down's syndrome
 - (2) Incidence of other defects is reported
 - (3) ✓ Prenatal diagnosis by ultrasound is not possible
 - (4) The operative treatment of choice is duodeno-duodenostomy

190. A 3 year old boy with a week history of fever has diffuse faint rashes, erythema of palms and soles, enlarged unilateral cervical node and strawberry tongue. The diagnosis is
- (1) Scarlet fever
 - (2) Erythema infectiosum
 - (3) Infectious mononucleosis
 - (4) ✓ Kawasaki's disease
191. Which one of the following can be injected intra-arterially ?
- (1) ✓ heparin
 - (2) colchicines
 - (3) dopamine
 - (4) dobutamine
192. Which of the following is NOT a component of airway maintenance ?
- (1) Head tilt
 - (2) Jaw thrust
 - (3) Chin lift
 - (4) ✓ Tongue pull
193. All are naturally occurring opioid compounds EXCEPT
- (1) Morphine
 - (2) Codeine
 - (3) Papaverine
 - (4) ✓ Pentazocine
194. Concerning propofol all are TRUE, EXCEPT
- (1) It has no active metabolites
 - (2) It can cause myoclonus
 - (3) ✓ It causes less nausea than thiopentone
 - (4) It can cause metabolic alkalosis
195. Pulmonary carcinoma presenting as a cavity is due to
- (1) adenocarcinoma
 - (2) small cell carcinoma
 - (3) ✓ squamous cell carcinoma
 - (4) atypical carcinoid tumour
196. The anti-tuberculous drug which produces fatal Steven-Johnson's syndrome in HIV infected patients is
- (1) para-aminosalicylic acid
 - (2) ✓ thioacetazone
 - (3) cycloserine
 - (4) streptomycin
197. Which is NOT true of restrictive lung disease ?
- (1) Reduced vital capacity
 - (2) Reduced total lung capacity
 - (3) ✓ Reduced FEV₁/FVC ratio
 - (4) Reduced diffusion capacity
198. Pneumatocoles is a feature of pneumonia due to
- (1) staphylococcus aureus
 - (2) ✓ klebsiella pneumoniae
 - (3) proteus
 - (4) pneumococcus
199. False statement about lupus vulgaris is
- (1) Characterized by apple jelly nodules
 - (2) Causes scarring
 - (3) ✓ Is a variant of lupus erythematosus
 - (4) Caseating granulomas are seen
200. Oro-oculo-genital syndrome occurs due to deficiency of
- (1) Vitamin B₂
 - (2) Vitamin B₃
 - (3) ✓ Zinc
 - (4) Vitamin B₁₂