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MEDICAL SCIENCE AND GENERAL MEDICINE

Paper II

Time : 150 Minutes

Max. Marks : 300

INSTRUCTIONS

1. Please check the Test Booklet and ensure that it contains all the questions. If you find any defect in the Test Booklet or Answer Sheet, please get it replaced immediately.
2. The Test Booklet contains 150 questions. Each question carries **two** marks.
3. The Test Booklet is printed in four (4) Series, viz. **A** **B** **C** **D**. The Series, **A** or **B** or **C** or **D** is printed on the right-hand corner of the cover page of the Test Booklet. Mark your Test Booklet Series **A** or **B** or **C** or **D** in Part C on side 1 of the Answer Sheet by darkening the appropriate circle with Blue/Black Ball point pen.

Example to fill up the Booklet Series

If your Test Booklet Series is **A**, please fill as shown below :



If you have not marked the Test Booklet Series at Part C of side 1 of the Answer Sheet or marked in a way that it leads to discrepancy in determining the exact Test Booklet Series, then, in all such cases, your Answer Sheet will be invalidated without any further notice. No correspondence will be entertained in the matter.

4. Each question is followed by 4 answer choices. Of these, you have to select one correct answer and mark it on the Answer Sheet by darkening the appropriate circle for the question. If more than one circle is darkened, the answer will not be valued at all. Use Blue/Black Ball point pen to make heavy black marks to fill the circle completely. Make **no** other stray marks.

e.g. : If the answer for Question No. 1 is Answer choice (2), it should be marked as follows :



1. Umbilical cord has at birth
 - (1) two arteries + one vein
 - (2) two arteries + two veins
 - (3) one artery + two veins
 - (4) all arteries only
2. Functional unit of kidney is
 - (1) Osteon
 - (2) Nephron
 - (3) Neuron
 - (4) Tubule
3. Abduction at shoulder joint is produced by
 - (1) Deltoid muscle
 - (2) Infra spinatus
 - (3) Teres major
 - (4) Teres minor
4. All of the following structures traverse the free margin of the lesser omentum *except*
 - (1) Portal vein
 - (2) Inferior vena cava
 - (3) Hepatic artery
 - (4) Bile duct
5. The structure to be protected while ligating uterine arteries during hysterectomy, is
 - (1) Inferior vesical artery
 - (2) Middle rectal artery
 - (3) Ureter
 - (4) Pelvic splanchnic nerves
6. Maturation of the spermatozoa
 - (1) occurs in the testes
 - (2) involves changes in contents of DNA
 - (3) involves the process of capacitation
 - (4) requires prostaglandins
7. Collecting ducts of the nephron of the kidney develop from
 - (1) Ureteric bud
 - (2) Metanephric tubules
 - (3) Mesonephric tubules
 - (4) Paramesonephric duct
8. Normal position of uterus in pelvis is
 - (1) ante version and ante flexion.
 - (2) retro version and retro flexion
 - (3) mid position
 - (4) ante version and retro flexion
9. Blood is brought to liver by
 - (1) Hepatic vein
 - (2) Portal vein
 - (3) Phrenic veins
 - (4) Azygos vein
10. Gastric motility is enhanced by stimulation of
 - (1) Vagus nerve
 - (2) Phrenic nerve
 - (3) Sympathetic nerves
 - (4) Trigeminal nerve

11. Enzyme renin is contained in
- (1) Lacis cells
 - (2) Macula densa cells
 - (3) Proximal convoluted tubular cells
 - (4) Juxtaglomerular cells
12. Thromboxane A₂ is produced mainly by one of the following :
- (1) Damaged tissue
 - (2) Liver
 - (3) Platelets
 - (4) Vascular endothelium
13. Fragmented red blood cells are *not* found in one of the following :
- (1) Vasculitis
 - (2) Idiopathic thrombocytopenic purpura
 - (3) Malignant hypertension
 - (4) Disseminated intravascular clotting
14. Cheyne-Stokes breathing is seen in all of the following conditions *except*
- (1) High altitude
 - (2) Left ventricular failure
 - (3) Diabetes mellitus
 - (4) Voluntary hyperventilation
15. All of the following parameters can be estimated by spirometer *except*
- (1) forced expiratory volume
 - (2) total lung capacity
 - (3) vital capacity
 - (4) peak expiratory flow rate
16. Which of the following sensations is most affected by cortical lesion ?
- (1) Temperature
 - (2) Crude touch
 - (3) Proprioception
 - (4) Itch
17. Reabsorption of one of the following substances in renal tubules is *not* subjected to physiological regulation :
- (1) Glucose
 - (2) Sodium
 - (3) Potassium
 - (4) Water
18. Increasing the after load in the muscle has all but one of the following effects :
- (1) Decreases the velocity of shortening
 - (2) Increases the force generation during shortening
 - (3) Increases the amount of shortening
 - (4) Increases the interval between excitation and shortening
19. Lysis of red blood cells to oxidant stress, a side-effect of many drugs, is most likely due to
- (1) deficiency of 2,3-DPG
 - (2) deficiency of reduced glutathione
 - (3) deficiency of G-6PD (glucose 6-phosphate dehydrogenase)
 - (4) lack of hexokinase
20. If a patient is unable to hear high frequency sounds, the damage to the basilar membrane is closest to which of the following ?
- (1) Helicotrema
 - (2) Oval window
 - (3) Stria vascularis
 - (4) Modiolus

21. A wave in Electroretinogram is caused by the activity of one of the following :
- (1) Ganglion cell layer
 - (2) Nerve fibre layer
 - (3) Rods and cones
 - (4) Pigment epithelium
22. A patient with history of malnutrition presents with swelling of ankles and bloated abdomen. The bloated abdomen may be due to one of the following :
- (1) Decreased capillary colloidal osmotic pressure
 - (2) Increased intestinal gas
 - (3) Slow and chronic abdominal haemorrhage
 - (4) Increased capillary hydrostatic pressure
23. Place theory is concerned with one of the following :
- (1) Mechanism of colour vision
 - (2) Mechanism of pitch discrimination
 - (3) Mechanism of image formation
 - (4) Mechanism of perception of taste sensation
24. Which one of the following is *not* autoimmune disease ?
- (1) Multiple sclerosis
 - (2) Insulin dependent diabetes mellitus
 - (3) Rheumatoid arthritis
 - (4) Hypothyroidism
25. All of the following except one increase gastric secretions :
- (1) Vagal stimulation
 - (2) Gastrin
 - (3) Stomatostatin
 - (4) Histamine
26. Respiratory distress syndrome in infants is caused by insufficient secretion of one of the following :
- (1) Phosphatidylinositol
 - (2) Cholesterol
 - (3) Sphingomyelin
 - (4) Dipalmitylphosphatidylcholine
27. Phasic blood flow occurs in which one of the following ?
- (1) Brain
 - (2) Liver
 - (3) Heart
 - (4) Kidney
28. Gastro intestinal hormones are the following *except*
- (1) Glucagon
 - (2) Serotonin
 - (3) Cholecystokinin-P2
 - (4) Vasoactive intestinal peptide
29. In one of the following sensory receptors, K^+ influx produces receptor potentials :
- (1) Olfaction
 - (2) Audition
 - (3) Taste
 - (4) Touch
30. The earliest manifestation of hypofunction of bone marrow is reflected in
- (1) Lower red cell count
 - (2) Leukopenia
 - (3) Decline in reticulocyte count
 - (4) Appearance of thrombocytopenia

31. If a substance appears in the renal artery but not in renal vein
- (1) its clearance is equal to GFR
 - (2) it must be reabsorbed by the kidney
 - (3) the urinary concentration must be higher than its plasma concentration
 - (4) its clearance is equal to renal plasma flow
32. Stroke volume can be increased by which of the following ?
- (1) Increasing venous compliance
 - (2) Decreasing ventricular compliance
 - (3) Increasing heart rate
 - (4) Decreasing total peripheral resistance
33. Which one of the following muscle proteins plays an important role in contraction of both smooth and striated muscles ?
- (1) Troponin
 - (2) Tropomyosin
 - (3) Actin
 - (4) Myosin light chains
34. An 18-year-old male is brought to hospital after eating poisonous mushrooms rich in alkaloid muscarine. Which one of the following signs is seen ?
- (1) Bradycardia
 - (2) Dilatation of pupil
 - (3) Skeletal muscle contraction
 - (4) Hypertension
35. Buffers are solutions having as composition
- (1) a pair of strong acid and strong base
 - (2) a pair of weak acid and its salts with a strong base
 - (3) a pair of weak acid and weak base
 - (4) a pair of two weak bases
36. Vitamin K is directly involved with the following enzymatic action :
- (1) Synthesis of prothrombin
 - (2) Activation of factor X
 - (3) Conversion of fibrinogen to fibrin
 - (4) Regulation of blood calcium
37. Which is the active form of vitamin D ?
- (1) Calcitonin
 - (2) 1,25-dihydroxycholecalciferol
 - (3) 7-dehydrocholesterol
 - (4) Ergosterol
38. What is the vitamin synthesised from an amino acid, Tryptophan ?
- (1) Ascorbic acid
 - (2) Pantothenic acid
 - (3) Nicotinic acid
 - (4) Folic acid
39. Which of the following is necessary for the emulsification of lipids ?
- (1) Cholesterol
 - (2) Bile pigments
 - (3) Bile salts
 - (4) Steroids

40. McArdle's disease is caused due to deficiency of
- (1) Glycogen synthase
 - (2) Branching enzyme
 - (3) Debranching enzyme
 - (4) Glycogen phosphorylase
41. The number of hydrogen bonds present between the pairs of guanosine nucleotide and cytosine nucleotide is/are
- (1) two
 - (2) one
 - (3) four
 - (4) three
42. The end product of purine catabolism in other mammals except man is
- (1) Uric acid
 - (2) Allantoin
 - (3) Ammonia
 - (4) Creatinine
43. Kidneys contribute to Acid - Base balance by
- (1) regulating $p\text{CO}_2$
 - (2) decreased carbon dioxide uptake
 - (3) increased ketogenesis
 - (4) secretion of ammonia
44. Calcium is required for the activation of the enzyme
- (1) Isocitrate dehydrogenase
 - (2) ATPase
 - (3) Fumerase
 - (4) Succinate thiokinase
45. The most prominent cause of dehydration is
- (1) excessive heat
 - (2) low intake of water
 - (3) frequent urination
 - (4) diarrhoea and vomiting
46. Acid phosphatase levels are increased in
- (1) Brain tumour
 - (2) Prostatic cancer
 - (3) Lung cancer
 - (4) Breast cancer
47. Infant death below 3 years occurs in the following glycogen storage disorders :
- (1) Type I
 - (2) Type II
 - (3) Type V
 - (4) Type VIII

48. The link between urea cycle and citric acid cycle is due to formation of
- (1) Arginine
 - (2) Ornithine
 - (3) Citrocollin
 - (4) Fumarate
49. Most naturally occurring DNA molecules are
- (1) relaxed coiled
 - (2) not coiled
 - (3) positively super coiled
 - (4) negatively super coiled
50. Negative nitrogen balance is produced in humans by elimination from the diet of all the following *except*
- (1) Leucine
 - (2) Serine
 - (3) Lysine
 - (4) Threonine
51. Most important compensation mechanism in metabolic acidosis is
- (1) Hyperventilation
 - (2) Increased NH_3 excretion by kidneys
 - (3) Increased urinary phosphates
 - (4) Increased HCO_3 production
52. During conversion of acetyl-CoA to ketone bodies, the intermediate compound is
- (1) phosphotidic acid
 - (2) phophotidylinositol
 - (3) 3-hydroxy 3-methyl glutaryl CoA
 - (4) 2-monoglyceride
53. Chronic complication in diabetes mellitus is due to
- (1) enzyme protein glycation
 - (2) decreased production of sorbitol
 - (3) decreased levels of myo-inositol
 - (4) increased levels of myo-inositol
54. The transport of glucose is facilitated by *GLUT* in the following organ :
- (1) Brain
 - (2) Heart
 - (3) Liver
 - (4) Intestine
55. The conversion of cholecalciferol occurring in liver is by
- (1) 1-alpha hydroxylation
 - (2) 1,25-hydroxylation
 - (3) 4-hydroxylation
 - (4) 25-hydroxylation

56. Actions of pilocarpine include all the following *except*
- (1) Sweating
 - (2) Salivation
 - (3) Miosis
 - (4) Cycloplegia
57. All are true of nitrous oxide anesthesia *except*
- (1) rapid on set and rapid recovery
 - (2) chances of hypoxia
 - (3) very good analgesic
 - (4) very good muscle relaxant
58. Use of morphine is indicated in the following condition :
- (1) Head injury
 - (2) Acute myocardial infarction
 - (3) Acute abdominal pain before diagnosis
 - (4) Bronchial asthma
59. One of the following is a non-benzodiazepine sedative hypnotic :
- (1) Clonazepam
 - (2) Oxazepam
 - (3) Nitrazepam
 - (4) Zolpidem
60. Which of the following terms best describes a drug that blocks the actions of epinephrine at its receptors by occupying those receptors without activating them ?
- (1) Pharmacological antagonist
 - (2) Physiological antagonist
 - (3) Partial agonist
 - (4) Non-competitive antagonist
61. Which of the following most accurately describes the transmembrane signalling process involved in steroid hormone action ?
- (1) Action of a membrane spanning tyrosine kinase
 - (2) Activation of a G-protein which activates or inhibits adenylyl cyclase
 - (3) Diffuses across the membrane and binding to an intracellular receptor
 - (4) Opening of transmembrane ion channels
62. Which of the following drugs when given alone can produce hypertension after intravenous administration ?
- (1) Acetylcholine
 - (2) Pilocarpine
 - (3) Carbachol
 - (4) Bethanechol
63. Chloroquine is the drug of choice in the treatment of
- (1) non-falciparum and sensitive falciparum malaria
 - (2) amoebic liver abscess
 - (3) rheumatoid arthritis
 - (4) All of the above
64. The oral dose of Metronidazole in the treatment of Trichomonas vaginitis is
- (1) 400 mg twice daily for 1 week
 - (2) 750 mg once daily for 1 week
 - (3) 250 mg thrice daily for 10 days
 - (4) 2 g as a single dose

65. Aspirin overdose is characterised by a syndrome of
- (1) bone marrow suppression and aplastic anaemia
 - (2) fever hepatic dysfunction and encephalopathy
 - (3) hyperthermia, metabolic acidosis and coma
 - (4) rash, interstitial nephritis and acute renal failure
66. Which of the following NSAIDs is under clinical evaluation for the preventive management of Alzheimer's disease ?
- (1) Aspirin
 - (2) Ibuprofen
 - (3) Diclofenac sodium
 - (4) Piroxicam
67. The mechanism of action of Diazepam is
- (1) binding to GABA receptors and directly enhance the chloride conductance
 - (2) binding to GABA receptors and increase their affinity towards GABA
 - (3) binding to GABA receptors and directly inhibit chloride conductance
 - (4) binding to GABA receptors and decrease their affinity towards GABA
68. Which of the following statements about Doxycycline is *not* true ?
- (1) It is bacteriostatic
 - (2) It is excreted mainly in faeces
 - (3) It is used in Lyme's disease
 - (4) It is more active than Tetracycline against *H. pylori*
69. A bone marrow suppression induced by Chloramphenicol is
- (1) a dose related reversible phenomenon
 - (2) a non-dose related irreversible phenomenon
 - (3) Both the above
 - (4) None of the above
70. Which of the following antimycobacterial agents can interfere with the action of oral contraceptives ?
- (1) Ethambutol
 - (2) Isoniazid
 - (3) Rifampicin
 - (4) Pyrazinamide
71. A cell cycle specific anti-cancer drug that acts mainly in the 'M' phase is
- (1) Bleomycin
 - (2) Cisplatin
 - (3) Vincristine
 - (4) Etoposide
72. Methotrexate is used in the treatment of the following *except*
- (1) Choriocarcinoma
 - (2) Ectopic pregnancy
 - (3) Myasthenia gravis
 - (4) Psoriasis

73. Which of the following agents is associated with a high incidence of disorientation, sensory and perceptual illness and vivid dreams during recovery from anaesthesia ?
- (1) Diazepam
 - (2) Ketamine
 - (3) Thiopental
 - (4) Sevoflurane
74. Which one of the following hypnotic drugs facilitates the inhibition of GABA, but lacks anticonvulsant or muscle relaxing properties and has minimal effect on sleep architecture ?
- (1) Buspirone
 - (2) Diazepam
 - (3) Phenobarbital
 - (4) Zaleplon
75. Opioid analgesics are contraindicated in several clinical situations. For morphine such situations do *not* include
- (1) Biliary tract surgery
 - (2) Pulmonary edema
 - (3) Late stage of labour
 - (4) Hypothyroidism
76. In acute inflammation the tissue response consists of all *except*
- (1) Vasodilatation
 - (2) Neutrophilic response
 - (3) Exudation
 - (4) Macrophage accumulation
77. Ethyl alcohol is used for fixation of
- (1) Pap smear
 - (2) Kidney biopsy
 - (3) Testicular biopsy
 - (4) Bone biopsy
78. Epithelioid cells are seen in all of the following *except*
- (1) Tuberculosis
 - (2) Leprosy
 - (3) Xanthogranuloma
 - (4) Sarcoidosis
79. Rosette formation is the characteristic feature in
- (1) Squamous cell carcinoma
 - (2) Osteosarcoma
 - (3) Adenocarcinoma
 - (4) Neuroblastoma
80. Neuroendocrine secretory granules are demonstrable in
- (1) Papillary carcinoma thyroid
 - (2) Carcinoid tumour
 - (3) Granulosa theca cell tumour
 - (4) Dysgerminoma

81. Absence of ganglionic cells in myenteric plexus is observed in
- (1) Hirschsprung's disease
 - (2) Achalasia cardia
 - (3) Mucoviscidosis
 - (4) Meckel's diverticulum
82. Ghon's focus is present in
- (1) progressive tuberculosis
 - (2) secondary tuberculosis
 - (3) miliary tuberculosis
 - (4) primary tuberculosis
83. Pseudopolyposis is observed in
- (1) Crohn's disease
 - (2) Ulcerative colitis
 - (3) Tuberculosis of ileocaecal region
 - (4) Pseudo membranous colitis
84. Isoenzyme CPK-MB is raised in
- (1) Rheumatic fever
 - (2) Myocardial infarction
 - (3) Viral myocarditis
 - (4) Viral hepatitis
85. Patients are designated as pink puffers in
- (1) Chronic bronchitis
 - (2) Bronchiectasis
 - (3) Emphysema
 - (4) Pneumoconiosis
86. The following organisms are gram negative cocci :
- (1) Staphylococci
 - (2) Streptococci
 - (3) Meningococci
 - (4) Pneumococci
87. The following is asexually transmitted pathogen :
- (1) Mycobacteria
 - (2) N. Gonorrhoeae
 - (3) Brucella
 - (4) Nocardia
88. Liquid paraffin is sterilized by
- (1) Hot air oven
 - (2) Autoclaving
 - (3) Filtration
 - (4) Radiation
89. Rheumatoid factor is detected by
- (1) Rose-Waaler test
 - (2) ASO test
 - (3) Widal test
 - (4) VDRL test
90. Following organism has metachromatic granules :
- (1) Mycobacteria
 - (2) C. Diphtheriae
 - (3) Staphylococci
 - (4) Streptococci

91. The following is the cell wall free organism :
- (1) H. Ducreyi
 - (2) Mycoplasma
 - (3) Candida
 - (4) Mycobacterium
92. Infectious mononucleosis is caused by
- (1) Adenovirus
 - (2) Epstein-Barr virus
 - (3) Rubella virus
 - (4) Cytomegalovirus
93. Non-gonococcal urethritis is caused by
- (1) Chlamydia trachomatis
 - (2) Mycoplasma hominis
 - (3) N. gonorrhoeae
 - (4) H. Ducreyi
94. Tuberculous bacillus was discovered by
- (1) Alexander Fleming
 - (2) Robert Koch
 - (3) Louis Pasteur
 - (4) Lord Lister
95. A positive Schick test indicates
- (1) susceptibility to diphtheria
 - (2) immunity to diphtheria
 - (3) hypersensitivity to C. diphtheriae
 - (4) allergy to C. diphtheriae toxin
96. Which of the following anti-epileptic drugs is safest in pregnancy at present ?
- (1) Carbamazepine
 - (2) Sodium valproate
 - (3) Topiramate
 - (4) Lamotrigine
97. Ace-inhibitors are contraindicated in all the following *except*
- (1) pregnancy
 - (2) bilateral renal artery stenosis
 - (3) severe cough and angio-edema
 - (4) heart failure
98. Successful thrombolysis after acute myocardial infarction is associated with
- (1) rapid rise of creatine kinase levels
 - (2) rapid fall of CK-MB
 - (3) rapid fall of cardiac troponin-I
 - (4) rapid fall of LDH
99. Differential cyanosis and clubbing is characteristic of
- (1) VSD with reversal of shunt
 - (2) PDA with reversal of shunt
 - (3) Fallot's tetralogy
 - (4) Ebstein's anomaly
100. Best single test to confirm iron deficiency anaemia is
- (1) Plasma iron
 - (2) TIBC
 - (3) Plasma transferrin
 - (4) Plasma ferritin

101. Which BMI range in adult is called obesity ?
- (1) 25.0 - 29.9
 - (2) 30.0 - 39.9
 - (3) Above 40
 - (4) 18.5 - 24.9
102. Casal's necklace is characteristic of
- (1) Niacin deficiency
 - (2) Thiamine deficiency
 - (3) Biotin deficiency
 - (4) Riboflavin deficiency
103. Haemorrhagic skin rashes are present in all the following infections *except*
- (1) Yellow fever
 - (2) Dengue fever
 - (3) Rocky Mountain spotted fever
 - (4) Q-fever
104. Persons with sickle cell hemoglobin are protected against
- (1) severe *Plasmodium falciparum* infection
 - (2) *Plasmodium vivax* infection
 - (3) *Varicella zoster*
 - (4) *Plasmodium ovale* infection
105. In HIV disease for 'sero-conversion and vertical transmission' the following laboratory test is diagnostic :
- (1) Elisa antibody tests
 - (2) Immuno blot test (Western-blot)
 - (3) CD4 cell count
 - (4) HIV viral load
106. Tuberculin skin test as a diagnosis of tuberculosis infection
- (1) has high specificity/sensitivity
 - (2) is useful only in primary or deep seated infection
 - (3) is very useful for diagnosis of reinfection in adults
 - (4) is very useful in meningeal tuberculosis
107. In nephrotic syndrome the prognosis is bad with
- (1) focal segmental glomerulosclerosis
 - (2) minimal change disease
 - (3) membranous glomerulonephropathy
 - (4) post-infectious glomerulonephritis
108. Urea breath test is used in the diagnosis of
- (1) *H. pylori* infection
 - (2) *E. coli* infection
 - (3) Ulcerative colitis
 - (4) Crohn's disease
109. Leucotriene receptor antagonists are used in
- (1) Bronchial asthma
 - (2) Interstitial lung disease
 - (3) Congestive heart failure
 - (4) Acute pulmonary embolism
110. Rhombencephalitis and meningitis is characteristic of infection with the following organisms :
- (1) Pyogenic bacteria
 - (2) Mycobacterial infection
 - (3) *Listeria monocytogenes*
 - (4) *Cryptococcus*

111. Commonest type of cancer of the renal pelvis and upper ureter is
- (1) Transitional cell carcinoma
 - (2) Adenocarcinoma
 - (3) Squamous cell carcinoma
 - (4) Nephroblastoma
112. Most malignant type of carcinoma breast is
- (1) Anaplastic carcinoma
 - (2) Scirrhus carcinoma
 - (3) Atrophic scirrhus carcinoma
 - (4) Mastitis carcinomatosa
113. Estrogen receptor status in carcinoma breast is done on
- (1) blood
 - (2) urine
 - (3) tumour tissue
 - (4) ovary
114. The most essential feature in reaching a diagnosis of hypertrophic pyloric stenosis is
- (1) visible peristalsis
 - (2) projectile vomiting
 - (3) loss of weight and dehydration
 - (4) palpation of hypertrophic pylorus
115. Haemorrhage from a bleeding duodenal ulcer is due to erosion of
- (1) superior pancreatico-duodenal artery
 - (2) gastro-duodenal artery
 - (3) right gastric artery
 - (4) left gastric artery
116. Commonest cause of hyperparathyroidism is
- (1) single adenoma
 - (2) multiple adenomata
 - (3) single gland hyperplasia
 - (4) multiple gland hyperplasia
117. Splenic vein thrombosis is best treated by
- (1) Splenectomy
 - (2) Porta-caval shunt
 - (3) Spleno-renal shunt
 - (4) Mesenterico-caval shunt
118. Gold standard diagnostic test in varicose veins is
- (1) Photoplethysmography
 - (2) Duplex imaging
 - (3) Ultrasonography
 - (4) Radio-labelled fibrinogen-study
119. Which of the following is an absolute indication for surgery in cases of benign prostatic hyperplasia ?
- (1) Bilateral hydro ureteronephrosis
 - (2) Nocturnal frequency
 - (3) Recurrent urinary tract infection
 - (4) Voiding bladder pressures - > 50 cm of water
120. A 60-year-old man presents with an ulcer on lateral margin of tongue, also complains of ear pain. Most probable diagnosis is
- (1) Dental ulcer
 - (2) Carcinomatous ulcer
 - (3) T.B. ulcer
 - (4) Syphilitic ulcer

121. Pancreaticoduodenectomy is the treatment of choice for
- (1) Duodenal carcinoma
 - (2) Pancreatic carcinoma
 - (3) Gall bladder carcinoma
 - (4) Gastric carcinoma
122. In a post cholecystectomy patient, who develops bile leakage due to CBD tear – 5 days post operative, with no "T" tube inserted at the time of surgery, ideal treatment is
- (1) ERCP procedure with stent
 - (2) hepaticojejunostomy
 - (3) primary repair after reopening abdomen
 - (4) ultrasound guided insertion of drain
123. Inguinal and femoral hernia are differentiated by relation with
- (1) Pubic tubercle
 - (2) Femoral artery
 - (3) Inferior epigastric artery
 - (4) Pectineal line
124. A.V. fistula leads to all *except*
- (1) Sinus tachycardia
 - (2) Increased pre load
 - (3) Cardiac arrhythmias
 - (4) Increased cardiac output
125. Varicocele of pampiniform plexus of veins has all the following characters *except*
- (1) negative transillumination test
 - (2) reducible
 - (3) cough impulse present
 - (4) frequent on right side
126. Initial treatment of management of polytrauma is
- (1) airway
 - (2) IV fluids
 - (3) fracture stabilisation
 - (4) do not shift
127. The commonest cause of haematemesis and malena is
- (1) Oesophageal varices
 - (2) Chronic peptic ulcer
 - (3) Acute peptic ulcer
 - (4) Carcinoma of stomach
128. Lymphovenous anastomosis is done in
- (1) Filariasis
 - (2) Malignant lymphoma
 - (3) Post radiotherapy lymphoedema
 - (4) All of the above

129. While operating for obstructed inguinal hernia the sac is opened at
- (1) fundus
 - (2) neck
 - (3) body
 - (4) base
130. During parotid surgery injury to which nerve results in Frey's syndrome ?
- (1) Auriculotemporal nerve
 - (2) Great auricular nerve
 - (3) Mandibular nerve
 - (4) Buccal nerve
131. Disc prolapse is recognised by
- (1) C.T.
 - (2) M.R.I.
 - (3) Myelography
 - (4) All of the above
132. Lymphatic metastasis of buccal carcinoma first involves
- (1) Submandibular
 - (2) Submental
 - (3) Jugulo digastric
 - (4) Jugulo omohyoid
133. Treatment of choice of acute obstruction due to left sided colonic carcinoma in a 70-year-old male is
- (1) Left side colectomy
 - (2) Total colectomy
 - (3) Hartmann's procedure
 - (4) Defunctioning colostomy
134. Acute appendicitis is best diagnosed by
- (1) History
 - (2) Physical examination
 - (3) X-ray of abdomen
 - (4) Barium meal
135. Hyperparathyroidism is characterised by the following *except*
- (1) Generalised osteoporosis
 - (2) Renal calculi
 - (3) Hypercalcemia
 - (4) Osteosclerosis
136. Components of normal vaginal secretion are the following *except*
- (1) secretion from Bartholin's gland
 - (2) mucus secretion from endocervical glands
 - (3) mucus secretion from vaginal epithelium
 - (4) secretion from endometrial glands
137. Ayre's spatula is used in the following procedure :
- (1) Endocervical biopsy
 - (2) Endometrial biopsy
 - (3) Pap smear
 - (4) Dilatation and curettage

138. Following are complications of carcinoma cervix *except*
- (1) Pyometra
 - (2) Vesicovaginal fistula
 - (3) Uterine prolapse
 - (4) Hydronephrosis
139. Chiari-Frommel syndrome is characterised by following features *except*
- (1) Menorrhagia
 - (2) Lactation
 - (3) Hyperprolactinemia
 - (4) Atrophic uterus
140. A poor source of iron in the following food items is
- (1) dry fruit
 - (2) meat
 - (3) milk
 - (4) unrefined jaggery
141. Features of HELLP syndrome include
- (1) Hemolysis
 - (2) Low platelet count
 - (3) Elevated liver enzymes
 - (4) All of the above
142. One of the following agents is *not* used for inducing medical abortion :
- (1) Misoprostol
 - (2) Methotrexate
 - (3) Mifepristone
 - (4) Oxytocin
143. Signs of early pregnancy are the following *except*
- (1) Hegar's sign
 - (2) Beck's sign
 - (3) Goodell's sign
 - (4) Jacquemier's sign
144. Placenta develops from fusion of Chorion frondosum and
- (1) Decidua capsularis
 - (2) Decidua basalis
 - (3) Decidua vera
 - (4) All of the above
145. Antenatal screening of maternal serum alpha fetoprotein shows increased values in the following fetal malformations *except*
- (1) Neural tube defects
 - (2) Down's syndrome
 - (3) Omphalocele
 - (4) Duodenal atresia

146. One among following facts is *not* true about premature baby :
- (1) Retinopathy is more common
 - (2) Risk of kernicterus is greater
 - (3) Greater heat loss from body
 - (4) Hyperglycemia is common
147. All the following methods of contraception may be used by a lactating woman *except*
- (1) I.U.C.D.
 - (2) Barrier contraception
 - (3) Combined oral pills
 - (4) Injectable progesterones
148. Pap smear should *not* be taken in the following circumstances *except*
- (1) within 48 hours after intercourse
 - (2) within 24 hours of last pelvic examination
 - (3) on the 12th day of menstrual cycle
 - (4) in the presence of infection
149. Non-puerperal tubal sterilisation can be done by
- (1) Laparoscopy
 - (2) Mini-laparotomy
 - (3) Colpotomy
 - (4) All of the above
150. Following complication is *not* seen after vasectomy :
- (1) Recanalisation of vas
 - (2) Spermatocele formation
 - (3) Testicular carcinoma
 - (4) Development of antisperm antibodies

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