

**1998 -I Tamil Nadu Public Service Commission (TNPSC)  
Medical Officer Recruitment Exam**

1. Match List I (deformity) correctly with List II (Nerve injured) and select your answer using the codes given below:

List I

- a. Winged Scapula
- b. Claw Hand
- c. Wrist drop
- d. 'Ape-like' hand

List II

1. Median nerve
2. Long Thoracic nerve
3. Ulnar nerve
4. Radial nerve

A) A1, B4, C3, D2

B) A3, B2, C1, D4

C) A4, B1, C2, D3

D) A2, B3, C4, D1

2. The following structures pass through the greater sciatic foramen except

A) Piriformis

B) Obturator internus

C) Superior glutei vessels

D) Sciatic nerve

3. Greater trochanter is taken into account in marking the following

A) Byrant's triangle

B) Nelaton's line

C) Shoemaker's line

D) All of these

4. Consider the following statements:

I the obturator nerve is a branch of sacral plexus

II Obturator nerve leaves the pelvis through greater sciatic foramen

III Obturator nerve supplies the muscles of anterior compartment of thigh

IV Obturator nerve has root value L1,2,3

Of the above statements:

A) I alone is correct

B) II alone is correct

C) III and IV are correct

D) None is correct

5. In a postero-anterior radiograph of the thorax the apex of the heart shadow is formed by

A) Right ventricle

B) Left atrium

C) Left ventricle

D) Right atrium

6. Match List I (Arterial branches) correctly with List II (Their origin) and select your answer using the codes given below:

List I

- a. Uterine Artery
- b. Splenic Artery
- c. Superior Rectal Artery
- d. Ileocolic Artery

List II

1. Superior mesenteric

2. Inferior mesenteric  
3. Coeliac trunk  
4. Internal iliac  
A) A4, B3, C2, D1  
C) A3, B1, C4, D2
- B) A1, B2, C3, D4  
D) A2, B4, C1, D3
7. The right free border of lesser momentum contains all the following structures except  
A) Portal vein  
C) Hepatic artery
- B) Bile duct  
D) Inferior vena cava
8. Calot's triangle lies between  
A) Rt and Lt Hepatic duct  
C) Cystic duct and common Hepatic duct
- B) Rt Hepatic duct and Cystic artery  
D) None of the above
9. Carotid sheath encloses the following:  
I Common Carotid Artery  
II Vagus nerve  
III Internal jugular vein  
IV Cervical part of sympathetic trunk  
Of the above statements:  
A) I alone is correct  
C) I, II & III are correct
- B) I & II are correct  
D) All are correct
10. The following structures form the content of infratemporal fossa except  
A) Maxillary artery  
C) Mandibular nerve
- B) Sphenomandibular ligament  
D) Sphenopalatine ganglion
11. The following of the Parotid gland are correct except  
A) Mixed Salivary gland  
C) Facial nerve passes through it
- B) Supplied by Otic ganglion  
D) Parotid duct opens opposite the crown of upper second molar
12. Arterial supply to the motor speech area of Broca is performed by  
A) Anterior cerebral artery  
C) Posterior cerebral artery
- B) Middle cerebral artery  
D) Central branches of circle of Willis
13. Phagocytic cell of neuroglia is  
A) Oligodendrocyte  
C) Ependymal cell
- B) Astrocyte  
D) Microglia
14. Weber's Syndrome involves  
A) Crus cerebri of Midbrain  
C) Crus cerebri, 3rd Nerve and Red Nucleus
- B) Crus cerebri and 3rd Nerve  
D) Crus cerebri, 3rd Nerve and Medial Lemniscus
15. Turner's syndrome is characterised by the following features except  
A) 13-trisomy  
C) 5P-deletion
- B) 18-trisomy  
D) 21-trisomy

16. Turner's syndrome is characterised by the following features except  
A) Short stature  
B) Webbing of neck  
C) Chromosomal complement is 44+XO  
D) Chromosomal complement is 44+XXY
17. The intracellular component of body water is about  
A) 40% of body weight  
B) 20% of body weight  
C) 75% of body weight  
D) 8% of body weight
18. Heart rate is increased by all of the following except  
A) Decreased activity of baroreceptors  
B) Fever  
C) Excitement  
D) Increased activity of baroreceptors
19. During Erythropoiesis  
A) Cell diameter gradually decreases  
B) Nucleus becomes smaller and smaller, becomes pyknotic and finally eliminated  
C) Cytoplasm changes from Basophilic to Polychromatophilic and finally to Acidophilic stain  
D) All of the above
20. The cross-bridges of the sarcomere in skeletal muscle are made up of  
A) Actin  
B) Myosin  
C) Troponin  
D) Tropomyosin
21. Absorption of glucose in the small intestine is accomplished by  
A) Facilitated diffusion  
B) Solvent drag  
C) Simple diffusion  
D) Sodium co-transport
22. Polyuria in diabetes mellitus is due to  
A) Vasopressin deficiency  
B) Excess of ketone bodies  
C) Osmotic diuresis  
D) Water diuresis
23. All the following are Neurotransmitters except  
A) GABA  
B) Histamine  
C) Acetylcholine  
D) Interleukin-I
24. Stimulation of 'J' receptors in the lung causes  
A) Apnoea  
B) Hypotension  
C) Bradycardia  
D) All of the above
25. Higher centres involved in micturition  
A) Basal Ganglia  
B) Cerebral Cortex  
C) Reticular formation  
D) All of these
26. Mode of action of Antidiuretic hormone  
A) Binds of basolateral membrane of collecting duct  
B) Activates adenyl cyclase  
C) Cyclase AMP derived from ATP  
D) All are true
27. Which of the following systems is more concerned in posture & gross movement?

- A) Pyramidal Tract  
C) Extrapyramidal system
- B) Cerebellum  
D) Sensory motor cortical system
28. Water hammer pulse is seen in  
A) Aortic incompetence  
C) Mitral stenosis
- B) Aortic stenosis  
D) Myocardial infarction
29. O<sub>2</sub> dissociation curve shifts to left in presence of except  
A) Fetal Hb  
C) Alkalosis
- B) Exercise  
D) Cold
30. The resting membrane potential of individual mammalian cardiac muscle cell is about  
A) - 50mV  
C) +50mV
- B) - 90mV  
D) +90mV
31. Which of the following is secreted by chief cells of stomach?  
A) Trypsinogen  
C) Pepsinogen
- B) Prolactase  
D) HCl
32. Renin is secreted by  
A) Kidney  
C) Intestine
- B) Stomach  
D) Liver
33. In humans, the chief end products of Pyrimidine, Purine are  
A) Allantoin and ammonia  
C) β-alanine and uric acid
- B) Hypoxanthine and urea  
D) Urea and allantoin
34. Which one of the following is the most important source of blood glucose during the last hours of 24 hour fast?  
A) Muscle glycogen  
C) Liver glycogen
- B) Fatty acids  
D) Amino acids
35. The chloride shift involves  
A) K<sup>+</sup> accompanies the HCO<sub>3</sub> that levels the erythrocyte  
C) Bicarbonate is exchanged for chloride
- B) H<sub>2</sub>CO<sub>3</sub> loss from the cells  
D) H<sup>+</sup> is exchanged for CO<sub>2</sub> entry
36. The natural anticoagulant in the animal body is  
A) Heparin  
C) Vitamin K
- B) Hyaluronidase  
D) Dicumarol
37. Pyruvate generated by glycolysis must enter mitochondria for oxidation, why?  
A) To generate malate  
C) Because pyruvate dehydrogenase is a mitochondrial enzyme
- B) To retain the cytosol neutral  
D) Because mitochondria is impermeable to lactate
38. High levels of plasma Ferritin occur in significant iron overload, but may also due to

- A) Inflammatory conditions  
C) Liver disease
- B) Malignant diseases  
D) All of them
39. The major source of cholesterol in arterial smooth muscle cells is from  
A) VLDL  
C) HDL
- B) LDL  
D) Chylomicrons
40. Which of the following is involved in the formation of hydroxy proline during collagen synthesis?  
A) Vitamin B<sub>6</sub>  
C) Biotin
- B) Vitamin B<sub>1</sub>  
D) Ascorbic acid
41. Product of minor oxidative pathway of glucose essential for synthesis of proteoglycans and conjugation is  
A) UDP-Glucose  
C) D-Ribose
- B) UDP-Glucuronic Acid  
D) L-Xylulose
42. The biosynthesis of triacylglycerols in adipose tissue cells requires  
A) Elevated levels of plasma epinephrine  
C) Increased rate of glycerol release from the cell
- B) Increased glucose entry into the cells  
D) Decreased levels of plasma insulin
43. mRNA is a complementary copy of  
A) A Single strand of DNA  
C) Ribosomal RNA
- B) Ribosomal DNA  
D) tRNA
44. The following metabolic abnormalities occur in diabetes mellitus except  
A) Increased plasma FFA  
C) Decreased lipogenesis
- B) Increased pyruvate carboxylase activity  
D) Decreased gluconeogenesis
45. Hormone not involved in carbohydrate metabolism is  
A) Vasopressin  
C) ACTH
- B) Growth hormone  
D) Glucagon
46. Dissociation of Oxidation from Phosphorylation in the respiratory chain occurs in the presence of uncoupler  
A) Dinitrophenol  
C) Amobarbital
- B) Dimercaprol  
D) Atractyloside
47. One of the following is not an antipsychotic drug:  
A) Triflupromazine  
C) Pimozide
- B) Amphetamine  
D) Chlorpromazine
48. The maximum broncho dilatation with minimum toxic effects in the asthmatic patients is obtained when the serum theophylline concentration is kept at  
A) 25 µ g/ml  
C) 10 µ g/ml
- B) 250 µ g/ml  
D) 1 µ g/ml
49. Cyproterone acetate is used as  
A) An antiandrogen
- B) An antioestrogen



- C) Antitussive  
D) Pharyngeal demulcent
59. Rifamycins are a group of structurally similar, complex macrocyclic antibiotics produced by  
A) *Penicillium notatum*  
B) *Penicillium crysogenum*  
C) *Streptomyces mediterranei*  
D) *Cephalosporium acremonium*
60. Chloroquine is  
A) Tissue schizontocide  
B) Blood schizontocide  
C) Antifol  
D) Antifilarial drug
61. Weil-Felix reaction is done for diagnosing  
A) Typhoid fever  
B) *Proteus* infection  
C) Urinary tract infection  
D) Rickettsial infection
62. Rat-bite fever is caused by  
A) *Streptococcus*  
B) *E. Coli*  
C) *Spirillum Minus*  
D) *Campylobacter*
63. The following protozoa have been cultivated in vitro except  
A) *Entamoeba histolytica*  
B) *Plasmodium falciparum*  
C) *Leishmania donovani*  
D) *Toxoplasma gondii*
64. Espundia is caused by  
A) *Leishmania brasiliensis*  
B) *Leishmania donovani*  
C) *Leishmania tropica*  
D) *Leishmania canis*
65. Common culture medium used for fungus is  
A) Blood agar  
B) Sabouraud's medium  
C) Chocolate agar  
D) L.J. Medium
66. Toxin produced by *aspergillus* is  
A) Ergot  
B) L.S.D  
C) Aflatoxin  
D) None of these
67. The time and temperature used for Pasteurization of milk are  
A) 72°C, 20 seconds  
B) 78° C, 20 seconds  
C) 100° C, 10 seconds  
D) 100° C, 15 seconds
68. The discoverer of ABO blood groups was  
A) Jules Bordet  
B) Karl Landsteiner  
C) Von Behring  
D) Paul Ehrlich
69. Enteric fever is diagnosed in the first week by  
A) Blood culture  
B) C.S.F. culture  
C) Stool culture  
D) Urine culture
70. Which one of the following is an example of agglutination reaction  
A) TPI (*Treponema Pallidum* Immobilisation) test  
B) V.D.R.L. test  
C) Wasserman test  
D) Widal test

71. Interferon has the following properties:  
A) It should be stable over a wide pH range  
B) Viral specific & species non-specific  
C) It is not inactivate virus antibody  
D) It is inhibited by antibody to the virus that was to produce interferon
72. A virus which produces both intracytoplasmic and intranuclear inclusion bodies is  
A) Herpes  
B) Mumps  
C) Rabies  
D) Measles
73. The host that harbours the adult or sexually male parasite is called  
A) Reservoir host  
B) Intermediate host  
C) Definite host  
D) Symbiotic host
74. The important pathogenic event that is responsible for the symptoms of malaria is  
A) Invasion of erythrocytes and subsequent haemolysis  
B) Acute malarial hepatitis  
C) Invasion and depletion of bone marrow with resulting anaemia  
D) Increased sticking of infected RBC and consequent thrombosis
75. Which is the notorious pathogen causing second infection in burns patients?  
A) Salmonella  
B) Mycobacterium  
C) Pseudomonas  
D) Corynebacterium diphtheroids
76. Antiseptic incorporated in soaps used for washing hands before surgery is  
A) Chlorhexidine  
B) Centrimide  
C) Hexachlorophenol  
D) Mercuric chloride
77. Cause of Monocytosis:  
I. Protozoan infections  
II. Tuberculosis  
III. Chronic ulcerative colitis  
IV. Post splenectomy  
A) I alone is correct  
B) I and II are correct  
C) I, II & III are correct  
D) All are correct
78. Which of the following neoplasms very rarely metastasise?  
I. Basal cell carcinoma  
II. Astrocytoma  
III. Melanoma  
IV. Endodermal sinus tumour  
A) I alone is correct  
B) I and II are correct  
C) I, II & III are correct  
D) All are correct
79. Which of the following is a hamartoma  
I. Cystic hygroma  
II. Cystic teratoma  
III. Sebaceous cyst  
IV. Cystadenoma  
A) I alone is correct  
B) I and II are correct



- C) Basal ganglia rarely involved      arteries are involved  
D) Hippocampus commonly involved
90. Leukoplakia is  
A) A distinct pathological entity      B) A clinical descriptive term  
C) Always a premalignant condition      D) A fungal infection causing white patch
91. Perioral melanin pigmentation is a feature of  
A) Cushing's syndrome      B) Peutz-Jegher's syndrome  
C) Zollinger-Ellison syndrome      D) Sheehan's syndrome
92. The most common cause of hyaline membrane disease is  
A) Maternal diabetes      B) Maternal chronic hypertension  
C) Prematurity      D) Multiple gestation
93. One of these is not a component of Light's Criteria regarding exudative Pleural effusion:  
A) Pleural fluid protein/Serum Protein greater than 0.5      B) Pleural fluid LDH/Serum LDH greater than 0.6  
C) Pleural fluid LDH more than 2/3 serum level      D) Glucose less than 60
94. Chromium supplementation is given to treat  
A) Diabetes Mellitus      B) Pulmonary Tuberculosis  
C) Diabetes Insipidus      D) Peripheral Neuropathy
95. Use of Immuno-suppressive Drugs is associated with increased incidence of  
A) Leukaemia      B) S.B.E.  
C) Kaposi Sarcoma      D) Lymphoma
96. The following disease are all Autosomal dominant except  
A) Hypertropic Cardiomyopathy      B) Vitamin D resistant rickets  
C) Neurofibromatosis type I      D) Familial Hypercholesterolemia
97. The cardinal features of severe Septicemia are all of the following except  
A) Fever      B) Subtle changes in conscious level  
C) Hypotension      D) Rigor
98. Earliest sign of Right Heart failure is detected by  
A) Facial edema      B) Basal crackles  
C) Pedal edema      D) Hepatojugular reflux
99. All of these are life threatening features of severe acute asthma except  
A) Tachypnoea      B) Central cyanosis  
C) Confusion      D) Low pH
100. One of the following is true about A-V node blood supply:  
A) R.C.A. (Right coronary artery) 60%      B) L.C.A. (Left coronary artery) 40%  
C) Both coronaries      D) All of the above

101. One of the most common early manifestation of Rheumatoid arthritis is  
 A) Mono neuritis multiplex                      B) Carpel Tunnel syndrome  
 C) Atlanto axial subluxation                      D) Cervical Myelopathy
102. Pulses alternans character is assessed by palpation of  
 A) Radial artery                                      B) Ulnar artery  
 C) Branchial artery                                      D) Carotid artery
103. The following bacteria are involved in reactive arthritis except  
 A) Salmonella                                      B) Yersinia  
 C) Pneumococcus                                      D) Chlamydia
104. EEG changes in the Hepatic encephalopathy is  
 A) Alpha waves                                      B) Beta waves  
 C) Theta waves                                      D) Delta waves
105. Match List I correctly with List II and select the correct answer using the codes give below the lists:  
 List I  
 a. Right ventricle  
 b. Right atrium  
 c. Left atrium  
 d. Left ventricle  
 List II  
 1. RAO view  
 2. Lateral view  
 3. PA view & LAO view  
 4. PA view  
 A) A1, B2, C3, D4                                      B) A2, B3, C1, D4  
 C) A3, B4, C2, D1                                      D) A4, B1, C3, D2
106. Cardioselective  $\beta$ -Blocker is  
 A) Propranolol                                      B) Oxprenolol  
 C) Pindolol    D) Atenolol
107. Bronchiectasis sicca involves  
 A) Middle lobe                                      B) Lingula  
 C) Upper lobe    D) Lower lobe
108. Sudden onset of cough followed by dyspnoea without fever is characteristic of  
 A) Pleural effusion                                      B) Pneumonia  
 C) Myocardial infarction                                      D) Pneumothorax
109. Which one of the following statements regarding childhood meningitis is false?  
 A) Hearing loss is a common sequela after Hemophilus influenzae meningitis  
 B) CSF glucose is low in mumps meningitis  
 C) Late onset neonatal meningitis is due to Group - B streptococcus  
 D) Parental aminoglycosides are the recommended treatment
110. Consider the following statements:

Assertion (A):NCHS curves may be less applicable to adolescents

Reason (R):The NCHS cross-sectional sample, based solely on chronological age lumps together with subjects who are at different stages of maturation

Of these statements:

- A) Both (A) and (R) are true and (R) is the correct explanation of (A)    B) Both (A) and (R) true but (R) is not the correct explanation of (A)  
 C) (A) is true, but (R) is false    D) (A) is false, but (R) is true

111. Which one of the following hematological indices is useful to differentiate Iron Deficiency Anemia from Thalassemia triat?  
 A) MCV    B) MCHC  
 C) RBC count    D) PCV
112. Which one of the following statements regarding W.H.O. Oral Rehydration Solution is wrong?  
 A) Sodium chloride content is 3.5 gm    B) Glucose facilitates sodium transport  
 C) Potassium chloride content is 2.5 mg    D) Success rate falls if stool output is more than 10ml/ kg/hr
113. The rash in chicken pox appears on the  
 A) 1st day of fever    B) 2nd day of fever  
 C) 3rd day of fever    D) 4th day of fever
114. The chest circumference exceeds the head circumference (crossing over) only by the age of  
 A) 6 months    B) 9 months  
 C) 1 year    D) 18 months
115. What is warm chain?  
 A) It is important in maintaining vaccines    B) It is an important Microbiological Culture Technique  
 C) It is important for maintenance of Newborn temperature from birth    D) It is important in Elisa Technique
116. Which of these is least reliable in assessing gestation age at birth?  
 A) Birth weight    B) Sole creases  
 C) Ear cartilage    D) Popliteal angle
117. Which of these Antibacterials is safe in pregnancy?  
 A) Penicillins    B) Amino glycosides  
 C) Ciprofloxacin    D) None of these
118. Amniocentesis for Prenatal diagnosis is always done at?  
 A) 8 weeks    B) 16 weeks  
 C) 24 weeks    D) 32 weeks
119. One of the following is not contraindicated in a breast feeding Mother:  
 A) Chloramphenicol    B) Tetracyclines  
 C) Gentamicin    D) Cimetidine

120. One of the following is not caused by Amniotic Bands:  
 A) Syndactyly  
 B) Arachnodactyly  
 C) Amputation of extremity  
 D) Abdominal or thoracic wall defects
121. Which one of the following disorders of mucopolysaccharide metabolism associated with severe somatic manifestations and lack of mental involvement?  
 A) Hurler syndrome (MPS I)  
 B) Hunter syndrome Type - A (MPS II)  
 C) Sanfilippo syndrome (MPS III)  
 D) Morquio syndrome (MPS IV)
122. Commonest cause of epiphyseal thickening in children is  
 A) Congenital syphilis  
 B) Rickets  
 C) Scurvy  
 D) Osteo chondrodystrophy
123. A combination of congenital cataract, deafness, congenital heart disease in a child should lead to the diagnosis of  
 A) Trisomy 18  
 B) Galactosemia  
 C) Rubella syndrome  
 D) Rubinstein Taybi syndrome
124. Phobias would least likely to occur in conjunction with  
 A) Schizophrenia  
 B) Antisocial personality  
 C) Anorexia nervosa  
 D) Obsessive compulsive disorder
125. Match List I correctly with List II and select the correct answer using the codes given below the lists  
 List I  
 a. Alpha rhythm  
 b. Somnambulism  
 c. Nightmares  
 d. Autism  
 List II  
 1. Pervasive developmental disorder  
 2. Disorder of REM sleep  
 3. Disorder of NREM sleep  
 4. Normal brainwaves  
 A) A4, B3, C2, D1  
 B) A3, B4, C2, D1  
 C) A2, B1, C3, D4  
 D) A1, B2, C3, D4
126. Features of an organic mental disorder are  
 A) Disorientation  
 B) Fleeting Attention  
 C) Disturbance of Memory  
 D) All of the above
127. The Fragile X syndrome  
 A) Is the commonest known cause of mental retardation in males  
 B) Is caused by the presence of a gene FMR-1 at a constriction on the long arm of the X chromosome (Xq 27.3)  
 C) Most affected individuals are deficient in folic acid  
 D) A third of female carriers have reduced intellectual functioning
128. Indicate the correctly matched answer:

- A) Parkinsonism-Mani  
C) Flight of Ideas - Catatonic schizophrenia
- B) Veraguth's fold – Depression  
D) Waxy flexibility-side effects of phenothiazine
129. Consider the following statements:  
Assertion (A):Disulfiram reacts with alcohol to cause very unpleasant toxic effects  
Reason (R):Aldehyde dehydrogenase is inhibited by disulphiram.  
Of these statements:  
A) Both (A) and (R) are true and (R) is the correct explanation of (A)  
B) Both (A) and (R) true but (R) is not the correct explanation of (A)  
C) (A) is true, but (R) is false  
D) (A) is false, but (R) is true
130. Which of the following statements about psychiatric illness in the elderly is incorrect?  
A) Many elderly patients with severe depression benefit more from ECT than with drugs  
B) Old people are likely to be more vulnerable to the side effects of neuroleptic drugs  
C) Paranoid symptoms are rarely seen in the elderly people  
D) Affective disorder accounts for almost 50% of elderly people presenting with psychiatric disorder
131. Risk of akathisia is more in  
A) Middle aged men  
B) Middle aged women  
C) Young male  
D) Old female
132. The occurrence of depression as early symptom has been particularly associated with carcinoma of  
A) Prostate  
B) Bladder  
C) Ovary  
D) Pancreas
133. Features of Post Traumatic Stress disorder include  
I Painful re-experiencing of the event  
II Emotional numbing  
III Hyperarousal  
IV Anticipation of another traumatic event  
A) I, II and III are correct  
B) I and III are correct  
C) I and IV are correct  
D) All are correct
134. Features of Kluver Bucy Syndrome are all except  
A) Hyperorality  
B) Auditory agnosia  
C) Hyposexuality  
D) Visual agnosia
135. Delirium refers to  
A) A sub-acute condition characterised by marked impairment of memory in clear consciousness  
B) A condition characterised by marked mood changes resulting from organic brain damage  
C) An acute condition characterised by impaired consciousness and abnormalities in perception  
D) An acute condition characterised by delusions in clear consciousness
136. A married man with chief complaint of premature ejaculation is best treated with

- A) Psychoanalysis  
C) Squeeze technique
- B) Cognitive therapy  
D) Anti-anxiety agents
137. Auditory hallucination are seen in all except  
A) Schizophrenia  
C) Alcohol withdrawal
- B) Mania  
D) Obsessive compulsive disorder
138. The inborn error of metabolism which manifests with repeated attacks of psychosis and convulsions is  
A) Porphyria  
C) Gaucher's disease
- B) Phenyl Ketonuria  
D) Von Gierke's disease
139. Multi Drug Therapy is given to leprosy patient because  
A) Pig  
C) Human being
- B) Dog  
D) Siberian crane
140. Multi Drug Therapy is given to leprosy patient because  
A) It cures the patient quickly  
C) It is a short term therapy
- B) It prevents drug resistance  
D) All the above
141. The best measure to be optimally used in the formulation and testing of aetiological hypothesis is  
A) Incidence  
C) Period prevalence
- B) Point prevalence  
D) All the above
142. Body mass index is  
A)  $Ht. (m)/Wt^2 (Kg)$   
C)  $Wt. (Kg)/Ht^2 (m) \times 100$
- B)  $Wt. (Kg)/Ht^2 (m)$   
D)  $Ht. (m)/Wt^2 (Kg) \times 100$
143. The most common and most significant change in old age is  
A) Atherosclerosis  
C) Osteoarthritis
- B) Anaemia  
D) Osteoporosis
144. For epidemiological purpose, the standard test used to detect diabetes in a population is  
A) Urine exam  
C) Fasting blood sugar test
- B) Random blood sugar test  
D) 2 hour-value after 75gms. oral glucose test
145. Estimation of population is more accurate in  
A) Arithmetic progression method  
C) Natural increase method
- B) Geometric progression method  
D) All the above
146. The "Peal Index" is used to evaluate  
A) Infant mortality status  
C) Contraceptive failure
- B) Fertility status  
D) Nutritional status
147. There are four phases in the Demographic cycle  
I Early expanding  
II Late expanding  
III High stationary



159. The certificate for yellow fever vaccination is valid for  
A) 1 year  
B) 2 years  
C) 10 years  
D) 20 years
160. Amoebic liver abscess is common in  
A) Left lobe  
B) Inferior aspect of RT lobe  
C) Posterior aspect of right lobe  
D) Posteriosuperior aspect of right lobe
161. The feature of secondary carcinoma of liver is  
A) Hard nodule  
B) Multiple hard nodules  
C) Multiple umbilicated nodules  
D) Soft liver
162. Gastric ulcer after burns is called  
A) Marjolin's ulcer  
B) Curling's ulcer  
C) Meleny's ulcer  
D) Peptic ulcer
163. Carcinoma arising from scar is  
A) Epithelioma  
B) Rodent ulcer  
C) Marjolin's ulcer  
D) Melanoma
164. All can cause chemical peritonitis except  
A) Ruptured gall bladder  
B) Haemoperitoneum  
C) Perforated peptic ulcer  
D) Barium enema-inducer colonic perforation
165. Massive enlargement of breast may be due to following except  
A) Filariasis  
B) Cystosarcoma phylloides  
C) Diffuse hypertrophy of the breast  
D) Soft fibro adenoma
166. Calcified hydrated cyst of the liver should be managed by  
A) Chemotherapy  
B) Excision  
C) No treatment  
D) Radiation
167. Which of the following is the ideal procedure for carcinoma of rectum, located about "5cm" above the anal verge?  
A) Rectal resection and pull through  
B) Anterior resection  
C) Chemotherapy  
D) Abdomino Perineal resection
168. Which of the following is incorrect regarding the thyroid?  
A) The gland develops from the third pharyngeal pouch  
B) The C-cells are developed from the ultimobranchial body  
C) The normal gland weight 20-25g  
D) The resting follicle contains colloid in which iodine is stored
169. The percentage of the circulating blood volume in the venous system and splanchnic vessels is normally between  
A) 20-30%  
B) 40-50%  
C) 60-70%  
D) None of these
170. In an acute emergency if blood has to be given immediately without full laboratory

- cross-matching it is best to give blood which is  
A) Group O RhD-ve                      B) Group O RhD+ve  
C) Group AB RhD-ve                     D) Group AB RhD+ve
171. Loss of blood more than 500ml is sensed by  
A) Carotid baroreceptors                B) Atrial receptors  
C) Juxtaglomerular apparatus         D) All of the above
172. Fresh Frozen plasma is best used in treating hemorrhage due to deficiency of  
A) Factor VIII                              B) Factor VII  
C) Factor XI                                 D) Factor IX
173. Initial evaluation of fluids requirement in trauma is based on  
A) Pulse rate                                 B) Packed cell volume  
C) Haemoglobin                             D) Urine output
174. Antagonist of morphine with no minimal against action is  
A) Nalorphine                                B) Naloxone  
C) Levallorphan                             D) Oxymorphone
175. The following are related to albumin: globulin ratio in normal pregnancy at term:  
A) Normal ratio of nonpregnant level    B) Ratio is increased  
is maintained  
C) Ratio is diminished                     D) None of the above
176. Blood flow in the intervillous space per minute approximates  
A) 250ml                                      B) 300ml  
C) 500ml                                      D) 700ml
177. Foeto maternal transfusion is demonstrated by  
A) Coomb's test                              B) Electrophoretic method  
C) Kleihauser's count                      D) Reticulocyte count
178. The following are the physiologic changes during late pregnancy, except  
A) Blood volume is increased             B) Cardiac output is increased  
C) Arterial PO<sub>2</sub> is decreased             D) Tidal volume is increased
179. Methods of ripening of cervix are  
A) Oxytocin infusion                        B) Stripping the membranes  
C) Intravaginal prostaglandins gel or    D) All of the above  
pessary
180. The engaging diameter of the after-coming head is  
A) Sub-occipito bregmatic                 B) Sub-occipito frontal  
C) Occipito frontal                         D) Submento vertical
181. Maternal risks in precipitate labour are except  
A) Genital tract injuries                    B) Postpartum haemorrhage  
C) Inversion of the uterus                 D) Cardiac arrhythmia
182. Oral contraceptive pills are contra indicated in

- A) Hypertension  
C) Fibroid uterus
- B) Menorrhagia  
D) All of the above
183. The following are the uses of diagnostic Laparoscopy except  
A) Investigation protocol of infertility  
B) Unexplained pelvic pain  
C) For better staging of carcinoma cervix  
D) Prior to "Second Book" operation in ovarian malignancy
184. Patient having hyperprolactinaemia (20 ng/ml serum) with inappropriate lactation should be investigated by  
A) X-ray of sella turcica  
B) CAT scanning of brain  
C) Ophthalmoscopic examination  
D) All of the above
185. The following are the ovarian causes of hirsutism, except  
A) Polycystic Ovarian disease  
B) Arrhenoblastoma  
C) Hilus cell tumour  
D) Brenner tumour
186. Upward displacement of the uterus occurs in all except  
A) Haematocolpos  
B) Haematometra  
C) Central cervical fibroid  
D) Ventrifixation of the Uterus
187. The following are the late sequela of acute Pelvic inflammatory disease, except  
A) Increased infertility rate  
B) Chronic pelvic pain  
C) Increased rate of ectopic pregnancy  
D) Recurrent foetal loss
188. A small reddish mass from the vault following surgical extirpation of uterus may be due to  
A) Metastatic growth  
B) Granulation tissue  
C) Prolapse of the Fallopian tube  
D) All of the above
189. Primary Carcinoma body of the uterus may be of following type  
A) Adenocarcinoma  
B) Adenosquamous Carcinoma  
C) Adenoacanthoma  
D) All of these
190. In a 36 day Cycle, the ovulation usually occurs on  
A) 14th day of the cycle  
B) 22nd day of the cycle  
C) 18th day of the cycle  
D) None of the above
191. Operon is composed of  
A) Regular elements and I gene  
B) Regulator elements and structural gene  
C) I gene and structural gene  
D) All of these
192. Milk is deficient in  
A) Calcium and Phosphorous  
B) Protein of high biological value  
C) Vitamin D  
D) Vitamin A
193. Match the following mechanism of action of antibacterial drugs and select the correct answer from the codes given below  
A Cephalosporins  
B. Tetracyclines

- C. Rifampicin  
D. Sulfonamides
1. Interference with transcription/translation of genetic information
  2. Antimetabolite action
  3. Interference with cell wall synthesis
  4. Inhibition of protein synthesis
- A) A3, B4, C1, D2                      B) A1, B2, C3, D4  
C) A2, B3, C4, D1                      D) A4, B1, C2, D3
194. Supra-additive or potentiation is obtained by the drug combination  
A) Acetylcholine + atropine              B) Acetylcholine + physostigmine  
C) Acetylcholine + noradrenaline      D) Acetylcholine + adrenaline
195. Which one of the following parameters reflects duration of childhood nephrotic syndrome?  
A) Serum albumin                          B) Serum complement  
C) Urinary creatinine                      D) Serum cholesterol
196. Alexia with agraphia can be seen in  
I. Gerstmann syndrome  
II. Wernicke's Aphasia  
III. Broca's Aphasia  
IV. Lesion of posterior corpus callosum  
A) I, II and III are correct              B) I and III are correct  
C) I and IV are correct                  D) All are correct
197. The prevalence of coronary heart disease at societal level can be estimated by  
A) Clinical history of angina              B) Raised serum cholesterol level above 300 mgs%  
C) Number of patients admitted to a hospital with acute chest pain      D) Cross-sectional E.C.G. survey
198. "Ring vaccination" is given  
A) By a ring-shaped machine              B) To produce a ring shaped lesion  
C) Around 100 yards of a case detected      D) Around a kilometer of a case detected
199. A 'Saturday night' palsy is  
A) Temporary lower limb paralysis due to alcoholic intoxication      B) Acute retention of urine  
C) Injury to the radial nerve in spiral groove      D) Anaesthesia of the tongue