

**NOTE : DO NOT BREAK THE SEAL UNTIL YOU GO THROUGH THE
FOLLOWING INSTRUCTIONS**

MD/MS/PG Diploma Entrance Test – 2011 QUESTION BOOKLET

Paper — I (Pre-Clinic & Para-Clinic)

Roll No.

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(Enter your Roll Number in the above space)

Series

C

Booklet No.

700799

Time Allowed : 2 Hours

Max. Marks : 150

INSTRUCTIONS :

1. Use only BLACK or BLUE Ball Pen.
2. All questions are COMPULSORY.
3. Check the BOOKLET thoroughly.

IN CASE OF ANY DEFECT - MISPRINTS, MISSING QUESTION/S OR DUPLICATION OF QUESTION/S, GET THE BOOKLET CHANGED WITH THE BOOKLET OF THE SAME SERIES. NO COMPLAINT SHALL BE ENTERTAINED AFTER THE ENTRANCE TEST.

4. Before you mark the answer, fill in the particulars in the ANSWER SHEET carefully and correctly. Incomplete and incorrect particulars may result in the non-evaluation of your answer sheet by the technology.
5. Write the SERIES and BOOKLET No. given at the TOP RIGHT HAND SIDE of the question booklet in the space provided in the answer sheet by darkening the corresponding circles.
6. Do not use any **eraser, fluid pens, blades** etc., otherwise your answer sheet is likely to be rejected whenever detected.
7. After completing the test, handover the ORIGINAL COPY of ANSWER SHEET to the Invigilator and keep the CANDIDATES COPY of ANSWER SHEET with you.

SEAL

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1. Peptidyl transferase
 - (1) acts as SRP for nascent polypeptides
 - (2) utilizes the energy of GTP hydrolysis to catalyze peptide bonds
 - (3) transfers peptidyl-tRNA from the P site to the A site
 - (4) is an intrinsic enzymatic activity of large ribosomal subunit

2. One of the mechanism for deleterious effect of Diphtheria toxin is
 - (1) inhibition of methylation reactions
 - (2) inhibition of EF-2
 - (3) activity as a restriction enzyme
 - (4) inhibition of RNA polymerase

3. A nucleosome core particle consists of
 - (1) linker DNA between two nucleosomes associated with histone H1
 - (2) octamer of H2A, H2B, H3, H4 and DNA
 - (3) complex of histones H2A, H2B, H3, H4 and H1
 - (4) 30 nm fiber wound into a solenoid-like structure

4. All of the following are sulfur containing amino acids EXCEPT
 - (1) Threonine
 - (2) Cystine
 - (3) Methionine
 - (4) Cysteine

5. Naturally occurring amino acids are
 - (1) D isomers
 - (2) L isomers
 - (3) D as well as L isomers
 - (4) β isomers

6. Cytochromes are
 - (1) Pyridine nucleotides
 - (2) Metal containing flavoproteins
 - (3) Peroxidases
 - (4) Iron porphyrin proteins

7. Glutathione peroxidase requires
 - (1) Sulphur
 - (2) Copper
 - (3) Selenium
 - (4) Iron

8. Wool sorter's disease is caused by
(1) *Bacillus cereus* (2) *Bacillus anthracis*
(3) *Pseudomonas aeruginosa* (4) *Clostridium perfringens*
9. In Hepatitis B all of the following can be found in circulation EXCEPT
(1) HBsAg (2) HBeAg
(3) HBcAg (4) HBV DNA
10. Which one of the following animal acts as mixing vessel for the generation of human-avian reassortant influenza virus?
(1) Rodents (2) Pigs
(3) Foxes (4) Sheep
11. Live attenuated vaccines are not available against the following virus
(1) Varicella - Zoster (2) Polio
(3) Hepatitis B (4) Rubella
12. Primary Amoebic meningoencephalitis is caused by
(1) *Entamoeba histolytica* (2) *Naegleria fowleri*
(3) *Iodamoeba* (4) *Entamoeba hartmanni*
13. Which of the following morphological forms of *Toxoplasma gondii* is infective to human beings?
(1) Tachyzoites (2) Microgametocytes
(3) Macrogametocytes (4) Oocysts
14. Which of the following parasitic ova is not bile stained?
(1) *Ascaris lumbricoidis* (2) *Taenia solium*
(3) *Ancylostoma duodenale* (4) *Trichuris trichiura*
15. Tinea versicolor is caused by
(1) *Hortaea wernickii* (2) *Piedraia hortae*
(3) *Malassezia furfur* (4) *Tricophyton rubrum*

- 16.** The classic microscopic picture of rapidly progressive glomerulonephritis is characterized by the presence of
- (1) effacement of glomerular foot processes
 - (2) granular immunofluorescence of IgG along GBM
 - (3) focal segmental glomerulosclerosis
 - (4) glomerular crescents
- 17.** Yolk sac tumours produce a marked elevation of
- (1) alpha fetoprotein
 - (2) placental alkaline phosphatase
 - (3) human placental lactogen
 - (4) CA 125
- 18.** Heparin, when mixed in the same syringe, can react with
- | | |
|--------------------|----------------------|
| (1) Penicillin | (2) Streptomycin |
| (3) Hydrocortisone | (4) All of the above |
- 19.** Gynaecomastia may occur with
- | | |
|------------------|----------------------|
| (1) Ketoconazole | (2) Chlorpromazine |
| (3) Digitalis | (4) All of the above |
- 20.** All the following are anticholinergic drugs EXCEPT
- | | |
|-----------------|-----------------|
| (1) Flavoxate | (2) Tolterodine |
| (3) Drotaverine | (4) Oxybutynin |
- 21.** All the following are cardio selective beta blockers EXCEPT
- | | |
|----------------|--------------|
| (1) Timolol | (2) Atenolol |
| (3) Bisoprolol | (4) Esmolol |
- 22.** Antihistaminic with least anticholinergic activity is
- | | |
|------------------|--------------------|
| (1) Promethazine | (2) Dimenhydrinate |
| (3) Cyclizine | (4) Fexofenadine |

- 23.** Incident light on rods and cones
- (1) Closes Na^+ channel
 - (2) Opens K^+ channel
 - (3) Closes K^+ channel
 - (4) Opens Na^+ channel
- 24.** Botulinum toxin blocks neuromuscular transmission by following mechanism
- (1) Decreases synthesis of acetylcholine
 - (2) Blocks voltage gated Ca^{++} channels at presynaptic membrane
 - (3) Prevents release of acetylcholine vesicles
 - (4) Blocks acetylcholine receptor at post synaptic membrane
- 25.** The setpoint in temperature regulation controls the body's response to changes in temperature. The location of sensory receptors which regulates the setpoint is
- (1) Anterior hypothalamus
 - (2) Posterior hypothalamus
 - (3) Spinal cord
 - (4) Skin
- 26.** In respect to transmission of pain in the nervous system
- (1) Substance P acts on pain receptors
 - (2) Any peripheral stimuli can activate pain receptors
 - (3) Dull and sharp pain travel via the same fibres
 - (4) Delta and C fibres originate on the same receptor
- 27.** Which hormone causes increased blood Sugar Level, increased protein anabolism and increased plasma free fatty acid?
- (1) Cortisol
 - (2) Parathyroid hormone
 - (3) Growth hormone
 - (4) Insulin
- 28.** Mechanism of action of insulin is via
- (1) Voltage gated ion channels
 - (2) Tyrosine kinase membrane receptor
 - (3) Nuclear receptor
 - (4) G protein receptor.
- 29.** Pulmonary fibrosis is expected to produce
- (1) Anemic hypoxia
 - (2) Histotoxic hypoxia
 - (3) Decreased vital capacity
 - (4) Stagnant hypoxia

- 30.** For prevention of Vit A deficiency in preschool children (1-6 yrs), dose of prophylactic administration of Vit A is
- (1) 100000 IU of Vit A in oil orally every 6 months
 - (2) 200000 IU of Vit A in oil orally every 6 months
 - (3) 30000 IU of Vit A in oil every year
 - (4) 300000 IU of Vit A in oil every year
- 31.** The proteins of maize are deficient in which amino acids?
- (1) Tryptophan and leucine
 - (2) Tryptophan and lysine
 - (3) Leucine and lysine
 - (4) Methionine and histidine
- 32.** What is the extra requirement of calories per day by a pregnant woman throughout the pregnancy?
- (1) 550 K cal/day
 - (2) 300 K cal/day
 - (3) 400 K cal/day
 - (4) 800 K cal/day
- 33.** Softening of water is indicated when the hardness exceeds which of the following?
- (1) 2 mEq/L
 - (2) 3 mEq/L
 - (3) 150 mEq/L
 - (4) 300 mEq/L
- 34.** What is the dose of malathion used for residual insecticidal action?
- (1) 200-300 mg/sq foot
 - (2) 100-300 mg/sq foot
 - (3) 100-200 mg/sq foot
 - (4) 500-1000 mg/sq foot
- 35.** Which of the following is not a measure of dispersion?
- (1) Range
 - (2) Mode
 - (3) Mean deviation
 - (4) Standard deviation

- 36.** Which of the following is NOT a Post-translational modification?
- (1) Disulfide bond formation
 - (2) Conversion of procollagen to collagen
 - (3) Gamma carboxylation of clotting factor
 - (4) Capping by 7-methylguanidine
- 37.** Embryonic hemoglobin contains
- (1) Alpha 2 Beta 2
 - (2) Alpha 2 Delta 2
 - (3) Zeta 2 Gamma 2
 - (4) Alpha 2 Gamma 2
- 38.** Hydroxylation of proline of collagen fibers is helped by
- (1) Nicotinamide
 - (2) Ascorbic acid
 - (3) Cholecalciferol
 - (4) Pyridoxine
- 39.** Which of the following amino acid is NOT essential in the diet of a healthy adult?
- (1) Glycine
 - (2) Leucine
 - (3) Tryptophan
 - (4) Methionine
- 40.** Which of the following statements regarding translation is INCORRECT?
- (1) The first amino acid introduced is MET
 - (2) mRNA codes for amino acid sequence during protein synthesis
 - (3) Proteins are synthesized in the amino to carboxyl direction
 - (4) mRNA is translated in the 3' to 5' direction
- 41.** Steroid hormone receptors are
- (1) transmembrane hormone receptors that initiate signals leading to gene activation
 - (2) transcription factors synthesized when the hormones bind to cell surface receptors
 - (3) transcription factors that bind to DNA but are activated by phosphorylation
 - (4) soluble proteins that bind hormones and act as transcription factors

42. The earliest Immunoglobulin to be synthesized by the foetus is
(1) IgG (2) IgA
(3) IgM (4) IgD
43. VDRL test is which one of the following type of antigen-antibody reaction?
(1) Agglutination (2) Neutralisation
(3) Precipitation (4) Complement fixation
44. HLA complex of genes is located in which one of the following chromosome?
(1) 9 (2) 17
(3) 11 (4) 6
45. DiGeorge syndrome is associated with
(1) Aplasia or hypoplasia of thymus
(2) Aplasia or hypoplasia of liver
(3) Primary humoral immune deficiency
(4) Genetic abnormality in chromosome 13
46. Atopy is associated with which of the following type of hypersensitivity reaction?
(1) Type-I (2) Type-II
(3) Type-III (4) Type-IV
47. Coagulase test is positive in
(1) *Staph epidermidis* (2) *Staph aureus*
(3) B-haemolytic streptococci (4) *Staph saprophyticus*
48. Haemolysis by group A streptococci seen on the surface of blood agar plate is due to
(1) Streptolysin O (2) Hyaluronidase
(3) Streptolysin S (4) Streptodornase
49. Optochin sensitivity is carried out to detect which one of the following bacteria?
(1) Group B streptococci (2) Staphylococci
(3) *Corynebacterium diphtheriae* (4) Pneumococci

50. The minimum requirement of myeloid blasts in the bone marrow required for the diagnosis of Acute Myeloid Leukaemia is
- | | |
|---------|---------|
| (1) 10% | (2) 20% |
| (3) 50% | (4) 40% |
51. The characteristic microscopic finding in acute lung injury is
- | | |
|---------------------------|---------------------------|
| (1) intra alveolar fibrin | (2) hyaline membranes |
| (3) organizing exudates | (4) pigmented macrophages |
52. The most common salivary gland neoplasm is
- | | |
|------------------------------|------------------------------|
| (1) mucoepidermoid carcinoma | (2) adenoid cystic carcinoma |
| (3) pleomorphic adenoma | (4) basal cell adenoma |
53. The most important etiological association with chronic gastritis is
- | | |
|-------------------------|---------------------------------------|
| (1) use of NSAIDs | (2) H pylori infection |
| (3) alcohol consumption | (4) gastro-oesophageal reflux disease |
54. c-KIT mutations are most characteristic of which of the following gastrointestinal neoplasms?
- | | |
|-------------------------------------|---|
| (1) Gastrointestinal stromal tumour | (2) MALT lymphoma |
| (3) Intestinal carcinoid | (4) Inflammatory myofibroblastic tumour |
55. Hamartomatous intestinal polyps are a feature of all of the following syndromes EXCEPT
- | | |
|--------------------|------------------------------------|
| (1) Peutz Jegher's | (2) Familial Adenomatous Polyposis |
| (3) Cowden | (4) Cronkhite Canada |
56. Centrilobular necrosis of the liver is characteristic of
- | | |
|----------------------------|----------------------------------|
| (1) acute viral hepatitis | (2) autoimmune hepatitis |
| (3) drug induced hepatitis | (4) nonalcoholic steatohepatitis |
57. Tumours arising between cystic duct and confluence of left and right hepatic ducts are called
- | | |
|----------------------|------------------------|
| (1) Caroli's tumours | (2) Klatskin's tumours |
| (3) Wilson's tumours | (4) Alagille's tumours |

58. If a person breathes normal atmospheric air at sea level, even a marked increase in alveolar ventilation can never increase the alveolar P_{O_2} above
- (1) 159 mm of Hg.
 - (2) 149 mm of Hg.
 - (3) 104 mm of Hg.
 - (4) 120 mm of Hg.
59. An increase in the P_{50} of an oxyhaemoglobin curve would result from a decrease in
- (1) Thyroid hormone secretion
 - (2) pH
 - (3) Temperature
 - (4) 2, 3 BPG
60. c-AMP acts as a 2nd messenger in the mechanism of action of all EXCEPT
- (1) FSH
 - (2) Aldosterone
 - (3) Glucagon
 - (4) PTH
61. Which of the following will cause an increase in length of right ventricular cardiac muscle?
- (1) Standing
 - (2) Increased pericardial pressure
 - (3) Decreased right ventricular compliance
 - (4) Increased venous tone
62. The pH range which is most optimum for pepsin activity is
- (1) 1.6 – 3.2
 - (2) 4 – 5.5
 - (3) 6 – 7
 - (4) More than 7
63. The most important role of gamma motor neuron is to
- (1) Stimulate skeletal muscle fibres to contract
 - (2) Maintain muscles spindle sensitivity during muscle contraction
 - (3) Generate activity in Ib afferent fibres
 - (4) Detect the length of the resting muscle
64. Renin secretion by kidney is increased by
- (1) Increasing mean blood pressure
 - (2) Increasing GFR
 - (3) Increasing sympathetic nerve activity
 - (4) Increasing Angiotensin II synthesis

- 65.** Which is the most common opportunistic infection associated with HIV in India?
- (1) Toxoplasmosis
 - (2) Oropharyngeal candidiasis
 - (3) Tuberculosis
 - (4) Herpes zoster
- 66.** When did the government of India launch the National Rural Health Mission?
- (1) 15 Aug 2004
 - (2) 05 April 2005
 - (3) 26 Jan 2006
 - (4) 05 April 2004
- 67.** Which of the following statement correctly defines the term 'Eligible couple' ?
- (1) A couple having two living children
 - (2) A couple giving birth to two children
 - (3) A couple who is willing to undergo sterilisation
 - (4) A couple with the wife in reproductive age group (15-45 years)
- 68.** What is the most appropriate time for IUD insertion?
- (1) At any time of menstrual cycle
 - (2) In the middle of the menstrual cycle
 - (3) Just before menstruation
 - (4) During or within 10 days of beginning of menstrual period
- 69.** A baby is termed as preterm if the birth is before how many weeks of gestation?
- (1) 37 weeks
 - (2) 40 weeks
 - (3) 32 weeks
 - (4) 38 weeks
- 70.** The top most curve in the growth chart recommended by the government of India is equivalent to which percentile of the WHO reference standard?
- (1) 50th percentile of the WHO reference standard
 - (2) 80th percentile of the WHO reference standard
 - (3) 3rd percentile of the WHO reference standard
 - (4) 95th percentile of the WHO reference standard

- 71.** Medial plantar nerve supplies all EXCEPT
- | | |
|------------------------------|----------------------------------|
| (1) Abductor hallucis brevis | (2) Flexor digitorum brevis |
| (3) Flexor hallucis brevis | (4) Flexor digitorum accessorius |
- 72.** The lateral wall of the Ischiorectal fossa is formed by
- | | |
|-----------------------------|--------------------------|
| (1) Obturator internus | (2) Levator ani |
| (3) External anal sphincter | (4) Urogenital diaphragm |
- 73.** All of the following are boundaries of the epiploic foramen EXCEPT
- | | |
|--------------------------------|----------------------------------|
| (1) Inferior vena cava | (2) Caudate process of the liver |
| (3) Fundus of the gall bladder | (4) First part of the duodenum |
- 74.** All are the posterior relations of caecum EXCEPT
- (1) Right Iliacus
 - (2) Right Lateral cutaneous nerve of thigh
 - (3) Right Iliac branch of Iliolumbar artery
 - (4) Right Testicular artery
- 75.** The following are true regarding sarcoplasmic reticulum EXCEPT
- (1) They form triads where they come in contact with T tubes
 - (2) They serve as rich energy stores
 - (3) They contain calcium - ATPase pumps
 - (4) Fill up the space between myofibrils
- 76.** Prominent internal elastic lamina is a feature of
- | | |
|---------------------|--------------------|
| (1) Capillaries | (2) Elastic artery |
| (3) Muscular artery | (4) Veins |
- 77.** Metanephric blastema gives rise to all the following EXCEPT
- | | |
|------------------------------|----------------------|
| (1) Bowman's Capsule | (2) Loop of Henle |
| (3) Distal convoluted tubule | (4) Collecting ducts |
- 78.** Derivatives of Meckel's cartilage are all EXCEPT
- | | |
|-------------------------|-----------------------|
| (1) Malleus | (2) Spine of sphenoid |
| (3) Stylohyoid ligament | (4) Genial tubercles |

79. Which one of the following rape invites maximum punishment?
- | | |
|-----------------------|--------------------------------------|
| (1) Acquaintance rape | (2) Rape of a lady not in her senses |
| (3) Marital rape | (4) Custodial rape |
80. Which one of the following is NOT an indication for Medical Termination of Pregnancy, under the MTP Act, 1971?
- | | |
|------------------------------|----------------------------|
| (1) Pregnancy following rape | (2) Therapeutic indication |
| (3) Abortion on demand | (4) None of the above |
81. Organophosphorus compound poisoning can occur due to
- | | |
|------------------------------------|----------------------|
| (1) Ingestion | (2) Inhalation |
| (3) Absorption through intact skin | (4) All of the above |
82. The offence of 'VITRIOLAGE' can be committed by throwing
- | | |
|----------------------|----------------------|
| (1) Nitric Acid | (2) Sulphuric acid |
| (3) Sodium hydroxide | (4) All of the above |
83. For INFAMOUS CONDUCT, the doctor is punished by
- | | |
|---------------------------|----------------------------|
| (1) State Medical Council | (2) Civil court |
| (3) Criminal Court | (4) Indian Medical Council |
84. Sporulation in bacteria occurs in which one of the following growth phase?
- | | |
|----------------------|----------------------|
| (1) Lag phase | (2) Log phase |
| (3) Stationary phase | (4) Phase of decline |
85. Tyndallisation is a process of sterilization by
- | | |
|---------------------|------------------------|
| (1) Dry heat | (2) Moist heat |
| (3) Chemical method | (4) Ionizing radiation |
86. Transfer of a portion of DNA from one bacterium to another by bacteriophage is called
- | | |
|--------------------|------------------|
| (1) Transformation | (2) Transduction |
| (3) Mutation | (4) Conjugation |

87. Neurofibromatosis type I does not show which one of the following?
- (1) Iris hamartomas
 - (2) Café au lait spots
 - (3) Lisch nodules
 - (4) Schwannosis
88. CD 8 molecules on T lymphocytes bind to
- (1) Class I MHC molecules
 - (2) Class II MHC molecules
 - (3) Toll like receptors
 - (4) Opsonized microbes
89. Autoimmune haemolytic anaemia is an example of which of the following hypersensitivity disorders?
- (1) Type I
 - (2) Type II
 - (3) Type III
 - (4) Type IV
90. The RAS family of oncoproteins is an example of
- (1) growth factors
 - (2) growth factor receptors
 - (3) signal transducing proteins
 - (4) transcription factors
91. The most important route of occupational exposure to lead is
- (1) ingestion
 - (2) inhalation
 - (3) absorption
 - (4) adsorption
92. Atherosclerosis does not commonly involve which of the following blood vessels?
- (1) Abdominal aorta
 - (2) Coronary arterics
 - (3) Vessels of Circle of Willis
 - (4) Vessels of upper extremities
93. Hyaline arteriolosclerosis is a major morphologic characteristic of
- (1) benign nephrosclerosis
 - (2) accelerated hypertension
 - (3) atherosclerosis
 - (4) polyarteritis nodosa
94. Hereditary spherocytosis the most important cause of red cell pathology is
- (1) inadequate haemoglobin
 - (2) cell membrane defect
 - (3) deformed RBCs
 - (4) increased affinity for oxygen
95. The hallmark genetic change of follicular lymphoma is
- (1) t(14; 18)
 - (2) t(8; 14)
 - (3) t(11; 14)
 - (4) t(9; 22)

- 96.** Colchicine is used in acute gout because of its
(1) Analgesic action (2) Uricosuric action
(3) Analgesic and uricosuric actions (4) None of the above
- 97.** Agent inhibiting cyclooxygenase irreversibly is
(1) Aspirin (2) Ibuprofen
(3) Diclofenac (4) Indomethacin
- 98.** Shortest acting neuromuscular blocker among the following is
(1) Pancuronium (2) Rocuronium
(3) Mivacurium (4) Succinylcholine
- 99.** Ethanol exerts maximum antiseptic activity at the following concentration
(1) 20% (2) 40%
(3) 70% (4) 100%
- 100.** Tolerance does not develop for the following effect of diazepam
(1) Sedation (2) Anticonvulsant
(3) Antianxiety (4) All of the above
- 101.** All the following are nucleoside reverse transcriptase inhibitors EXCEPT
(1) Zidovudine (2) Didanosine
(3) Abacavir (4) Nevirapine
- 102.** Gut mucosal damage occurs with all the following EXCEPT
(1) Neomycin (2) Methotrexate
(3) Vinblastine (4) Metoclopramide
- 103.** The major limitation of cyclosporine is
(1) Nephrotoxicity (2) Pancreatitis
(3) Alopecia (4) Hypotension

- 104.** The ability of a test to correctly identify those who do not have the disease is known as
- (1) Sensitivity
 - (2) Positive predictive value
 - (3) Specificity
 - (4) Negative predictive value
- 105.** Measles is caused by which of the following virus?
- (1) Orthomyxovirus
 - (2) RNA paramyxovirus
 - (3) Toga virus
 - (4) V-Z virus
- 106.** DPT vaccine is required to be stored at what temperature?
- (1) -4 degree C
 - (2) 4 – 8 degree C
 - (3) 0 degree C
 - (4) Room temperature
- 107.** “Return after default”, is a term used for a tuberculosis patient who returns sputum smear positive, after having left treatment for atleast how many months?
- (1) 1 month
 - (2) 2 months
 - (3) 4 months
 - (4) 6 months
- 108.** The concentration of type 3 virus per dose of oral polio vaccine is
- (1) 30,000 TCID 50
 - (2) 10,000 TCID 50
 - (3) 1,00,000 TCID 50
 - (4) 3,00,000 TCID 50
- 109.** In malaria which of the under mentioned parameter is a measure of operational efficiency?
- (1) API
 - (2) AFI
 - (3) SPR
 - (4) ABER
- 110.** Which of the following is the vector of KFD?
- (1) Aedes aegypti mosquito
 - (2) Culex mosquito
 - (3) Xenopsiella flea
 - (4) Haemaphysalis tick
- 111.** Brill-Zinsser disease is a delayed manifestation of which one of the following diseases?
- (1) Endemic typhus
 - (2) Epidemic typhus
 - (3) Scrub typhus
 - (4) Trench fever

112. Clinical features of lower motor neuron lesion include all the following EXCEPT

- | | |
|---------------------------------|---------------|
| (1) Fasciculation | (2) Clonus |
| (3) Individual muscle paralysis | (4) Hypotonia |

113. The roof of the inferior horn of lateral ventricle is formed by all EXCEPT

- | | |
|---------------------------------|-------------------------|
| (1) Tail of the caudate nucleus | (2) Stria terminalis |
| (3) Tapetum | (4) Thalamostriate vein |

114. Cerebellar lesions cause all EXCEPT

- | | |
|---------------|------------------------|
| (1) Ataxia | (2) Tremor at rest |
| (3) Nystagmus | (4) Dysdiadochokinesia |

115. All are superficial to Hyoglossus EXCEPT

- | | |
|-----------------------|------------------------|
| (1) Lingual artery | (2) Lingual nerve |
| (3) Hypoglossal nerve | (4) Submandibular duct |

116. The features of Horner's syndrome on the affected side are all EXCEPT

- | | |
|------------------|----------------|
| (1) Ptosis | (2) Mydriasis |
| (3) Enophthalmos | (4) Anhydrosis |

117. Coracoid process is a ————— type of epiphysis

- | | |
|--------------|---------------|
| (1) Pressure | (2) Atavistic |
| (3) Traction | (4) Aberrant |

118. Which of the following carpal bones is prone for anterior dislocation?

- | | |
|--------------|---------------|
| (1) Lunate | (2) Scaphoid |
| (3) Capitate | (4) Trapezium |

119. The anterior boundary of the transverse sinus is formed by

- | | |
|---------------------|-----------------------------|
| (1) Ascending aorta | (2) Superior vena cava |
| (3) Left atrium | (4) Superior pulmonary vein |

- 120.** Which of the following enzymes catalyzes the committed and rate-limiting step of cholesterol synthesis from acetyl-CoA?
- (1) Acetyl CoA carboxylase
 - (2) Citrate lyase
 - (3) HMG CoA reductase
 - (4) Mevalonate kinase
- 121.** Alkaptonuria results due to the absence of
- (1) homogentisate oxidase
 - (2) phenylalanine hydroxylase
 - (3) arginosuccinate synthase
 - (4) ornithine transcarbamoylase
- 122.** Nitric oxide is synthesised from
- (1) arginosuccinate
 - (2) citrulline
 - (3) ornithine
 - (4) arginine
- 123.** What is the role of Medical Witness, while giving evidence in the Court of Law?
- (1) Assisting Prosecution
 - (2) Assisting Defence
 - (3) Assisting the Court
 - (4) None of the above
- 124.** Best method of establishing identity is
- (1) DNA Fingerprinting
 - (2) DACTYLOGRAPHY
 - (3) ANTHROPOMETRY
 - (4) All of the above
- 125.** Stab wound can be caused by
- (1) Weapon with broad rectangular blade with sharp edge and pointed tip
 - (2) Weapon with cylindrical long blade having sharp pointed end
 - (3) Weapon with long blade, cut section of blade being square, having sharp end
 - (4) All of the above
- 126.** Which of the following asphyxial deaths is most common during stampede in a crowded place?
- (1) Smothering
 - (2) Traumatic asphyxia
 - (3) Choking
 - (4) Suffocation
- 127.** In a case of death due to drowning which of the following organs is to be preserved for examination for Diatoms?
- (1) Stomach
 - (2) Femur
 - (3) Lungs
 - (4) Brain

- 128.** Which of the candida species produces chlamydospores on corn meal agar?
- (1) *Candida tropicalis*
 - (2) *Candida albicans*
 - (3) *Candida krusei*
 - (4) *Candida parapsilosis*
- 129.** P24 antigen is a product of which gene of HIV?
- (1) Env
 - (2) Pol
 - (3) Gag
 - (4) Tat
- 130.** All of the following constitute cellular events in acute inflammation EXCEPT
- (1) margination
 - (2) diapedesis
 - (3) vasoconstriction
 - (4) chemotaxis
- 131.** Which of the following complement derived factors mediates phagocytosis in acute inflammation by acting as opsonin?
- (1) C3a
 - (2) C3b
 - (3) C4a
 - (4) C4d
- 132.** All of the following systemic factors retard wound healing EXCEPT
- (1) Anemia
 - (2) Blood supply
 - (3) Diabetes
 - (4) Malnutrition
- 133.** Nutmeg liver is a characteristic feature of
- (1) acute hepatic congestion
 - (2) chronic hepatic congestion
 - (3) chronic hepatitis
 - (4) sclerosing cholangitis
- 134.** Which one of the following is not a feature of Fat Embolism Syndrome?
- (1) Pulmonary insufficiency
 - (2) Thrombocytopenia
 - (3) Anaemia
 - (4) Acute renal failure
- 135.** Wilson disease is an example of which type of genetic disorder?
- (1) Autosomal dominant
 - (2) Autosomal recessive
 - (3) X linked
 - (4) Multifactorial

136. Adverse effects due to oral iron therapy include

- | | |
|----------------|----------------------|
| (1) Heart burn | (2) Constipation |
| (3) Diarrhoea | (4) All of the above |

137. Erythropoietin has all the following effects EXCEPT

- (1) Stimulates proliferation of colony forming cells of erythroid series
- (2) Induction of haemoglobin formation and erythroblast maturation
- (3) Releases reticulocytes in circulation
- (4) Increases the life span of RBCs

138. Disulfiram like reaction with alcohol is seen with

- | | |
|------------------|-----------------|
| (1) Cefoperazone | (2) Ceftazidime |
| (3) Cefotaxime | (4) Cefixime |

139. Cilastatin is

- | | |
|----------------------------------|---------------------------------|
| (1) Hypolipidemic agent | (2) β lactamase inhibitor |
| (3) Dehydropeptidase I inhibitor | (4) Bacteriostatic agent |

140. Hyperprolactinemia can occur with all the following EXCEPT

- | | |
|-------------------|--------------------|
| (1) Bromocriptine | (2) Chlorpromazine |
| (3) Reserpine | (4) Methyl dopa |

141. Biguanides are contraindicated in all the following EXCEPT

- | | |
|-----------------------|--------------------|
| (1) Hypotensive state | (2) Kidney disease |
| (3) Alcoholic patient | (4) Obesity |

142. Peripheral conversion of T₄ to T₃ is inhibited by all EXCEPT

- | | |
|----------------------|-----------------|
| (1) Propylthiouracil | (2) Propranolol |
| (3) Amiodarone | (4) Carbimazole |

143. Tocolytics should be used if there is

- | | |
|---------------------------------|----------------------------|
| (1) Rupture of membrane | (2) Antepartum haemorrhage |
| (3) Severe toxemia of pregnancy | (4) None of the above |

144. Phantom limb pain is an example of

- | | |
|------------------------|-----------------------|
| (1) Fatigue at synapse | (2) Law of projection |
| (3) Weber Fechner Law | (4) Adaptation |

145. Local pressure on the carotid sinus will lead to

- (1) Hypertension
- (2) Marked rise in force of contraction of the heart
- (3) Bradycardia and vasodilation
- (4) Marked rise in peripheral resistance

146. The following is true about incidence and prevalence

- (1) Both prevalence and incidence are rates
- (2) Incidence is a rate but prevalence is really a ratio
- (3) Prevalence is a rate and incidence is not a rate
- (4) Both, incidence and prevalence are not rates

147. Confounding bias in a case control study can be removed by

- (1) By recalling events properly
- (2) Double blinding technique
- (3) Matching
- (4) By selection of a representative population

148. Man is an obligate host for which of the following disease?

- | | |
|-------------|-------------|
| (1) Rabies | (2) Malaria |
| (3) Measles | (4) KFD |

149. The gap in time between the onset of the primary case and secondary case is known as

- | | |
|---------------------|-----------------------|
| (1) Generation time | (2) Serial interval |
| (3) Latent period | (4) Incubation period |

150. Vaccine for which of the following diseases is not a live attenuated vaccine?

- | | |
|----------------|-----------------|
| (1) Measles | (2) Rubella |
| (3) Chickenpox | (4) Hepatitis B |

Space For Rough Work

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