

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

**MD/MS/PG Diploma Entrance Test – 2010
QUESTION BOOKLET
Paper — I (Pre-Clinic & Para-Clinic)**

Roll No.

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(Enter your Roll Number in the above space)

Series

Booklet No.

A

200689

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 OMR ANSWER SHEET to the Invigilator.

SEAL

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1. The Bronchopulmonary segment affected in lung abscess is
 - (1) Apical segment of superior lobe
 - (2) Anterior segment of superior lobe
 - (3) Superior segment of inferior lobe
 - (4) Anterior basal segment of inferior lobe

2. Right or left coronary dominance is with reference to the origin of _____ artery
 - (1) Anterior interventricular artery
 - (2) Circumflex artery
 - (3) Posterior interventricular artery
 - (4) Sinuatrial nodal artery

3. Limbus fossa ovalis is formed due to
 - (1) Ostium primum
 - (2) Ostium secundum
 - (3) Septum primum
 - (4) Septum secundum

4. The action of superior rectus muscle of the eyeball is
 - (1) Extorsion and elevation
 - (2) Extorsion and adduction
 - (3) Adduction and elevation
 - (4) Intorsion and abduction

5. Mamillary bodies are functionally part of
 - (1) Auditory pathway
 - (2) Recent memory
 - (3) Controls sexual behaviour
 - (4) Optic pathway

6. Great cerebral vein of Galen drains into _____
 - (1) Straight sinus
 - (2) Sigmoid sinus
 - (3) Inferior sagittal sinus
 - (4) Superior sagittal sinus

7. Age of closure of anterior fontanelle is
 - (1) One month
 - (2) Six months
 - (3) One year
 - (4) One and half year

8. Stapedius muscle is supplied by _____
 - (1) Facial nerve
 - (2) Glossopharyngeal nerve
 - (3) Mandibular nerve
 - (4) Hypoglossal nerve

9. The median umbilical ligament is a remnant of
- | | |
|----------------------|---------------------------|
| (1) Umbilical artery | (2) Umbilical vein |
| (3) Urachus | (4) Meckel's diverticulum |
10. Cri du chat syndrome is due to deletion in the short arm of chromosome
- | | |
|--------|--------|
| (1) 5 | (2) 13 |
| (3) 18 | (4) 21 |
11. An injury to the ulnar nerve at the wrist will result in a _____ deformity
- | | |
|-------------------------|-------------------------------|
| (1) Ape hand deformity | (2) Policeman's tip deformity |
| (3) Claw hand deformity | (4) Wrist drop |
12. "Housemaid's knee" is a condition that results from inflammation of the _____ bursa
- | | |
|------------------------------|--------------------------------------|
| (1) Prepatellar bursa | (2) Subcutaneous infrapatellar bursa |
| (3) Deep infrapatellar bursa | (4) Popliteus bursa |
13. The deep inguinal ring is an opening in the
- | | |
|----------------------------------|----------------------------------|
| (1) Fascia transversalis | (2) External oblique aponeurosis |
| (3) Internal oblique aponeurosis | (4) Transverse abdominis |
14. Testicular pain is referred to the _____ dermatomes
- | | |
|---------------------------------------|-------------------------------------|
| (1) T ₁₀ - T ₁₁ | (2) T ₈ - T ₉ |
| (3) L ₁ - L ₂ | (4) L ₃ - L ₄ |
15. The _____ nerve anaesthetized by local anaesthetic before an episiotomy
- | | |
|-------------------------|---------------------|
| (1) Genitofemoral nerve | (2) Pudendal nerve |
| (3) Ilioinguinal nerve | (4) Inferior rectal |
16. The axillary sheath is continuation of _____ fascia
- | | |
|--------------------------|---|
| (1) Clavipectoral fascia | (2) Investing layer of deep cervical fascia |
| (3) Pretracheal fascia | (4) Prevertebral fascia |

17. The unwinding of parental DNA requires
- | | |
|------------------|---------------------------|
| (1) DNA Ligase | (2) DNA polymerase |
| (3) DNA helicase | (4) Reverse transcriptase |
18. Rate limiting enzyme in denovo synthesis of fatty acids is
- | | |
|----------------------------|------------------|
| (1) Acetyl CoA carboxylase | (2) Hydratase |
| (3) Enoyl reductase | (4) Thioesterase |
19. Degradation of haemoglobin takes place in
- | | |
|-------------------------|--------------------------------|
| (1) Erythrocyte | (2) Hepatocytes |
| (3) Renal tubular cells | (4) Reticuloendothelial system |
20. The two nitrogen atoms in urea arise from
- | | |
|---------------------------------|-------------------------------|
| (1) Ammonia and glutamine | (2) Ammonia and aspartic acid |
| (3) Glutamine and glutamic acid | (4) Glutamine and alanine |
21. The most lipogenic sugar is
- | | |
|---------------|--------------|
| (1) Galactose | (2) Glucose |
| (3) Xylose | (4) Fructose |
22. Milk is a poor source of
- | | |
|----------------|---------------------------|
| (1) Iron | (2) Essential amino acids |
| (3) Riboflavin | (4) Calcium |
23. The most predominant lipid component of chylomicrons is
- | | |
|-------------------|-------------------|
| (1) Cholesterol | (2) Glycolipids |
| (3) Phospholipids | (4) Triglycerides |
24. The enzyme which uses H_2O_2 as substrate is
- | | |
|-----------------|------------------------|
| (1) Catalase | (2) Xanthine oxidase |
| (3) Dioxygenase | (4) Cytochrome oxidase |
25. The amino acid which acts as a lipotropic factor is
- | | |
|-------------|----------------|
| (1) Lysine | (2) Methionine |
| (3) Leucine | (4) Tryptophan |

26. One of the following statement regarding Brown Adipose tissue is wrong
- (1) Involved in thermogenesis
 - (2) Presence of numerous mitochondria
 - (3) Un couples oxidation from phosphorylation
 - (4) Involved in high energy ATP synthesis
27. In Niemann Picks disease, the main phospholipids abnormally deposited in brain, spleen and liver is
- (1) Lecithin
 - (2) Plasmalogen
 - (3) Cardiolipin
 - (4) Sphingomyelin
28. The monosaccharide that is most rapidly absorbed in the small intestine is
- (1) Glucose
 - (2) Fructose
 - (3) Galactose
 - (4) Arabinose
29. The glycolytic enzyme enolase is inhibited by
- (1) Oxalate
 - (2) Citrate
 - (3) Fluoride
 - (4) EDTA
30. Unconjugated hyperbilirubinaemia is characteristic of
- (1) Rotor's syndrome
 - (2) Dubin Johnson syndrome
 - (3) Chronic active hepatitis
 - (4) Gilbert's disease
31. Metachromatic leucodystrophy is the inborn error of sulpholipid metabolism due to the deficiency of
- (1) PAPS
 - (2) Sulphite oxidase
 - (3) Aryl Sulphatase A
 - (4) Cystathionine beta synthase
- ~~32.~~ The reducing equivalents for the biosynthetic reactions are usually supplied by
- (1) NADH
 - (2) NADPH
 - (3) FADH₂
 - (4) FMNH₂
33. "Thanatology" deals with
- (1) Injuries
 - (2) Sodomy
 - (3) Bestiality
 - (4) Death

- 34. "The Inquests are conducted in India by**
- (1) Medical Examiner's inquest (2) Procurator's fiscal inquest
(3) Coroner's inquest (4) Magistrate's inquest
- 35. Exhumation of dead body is done by**
- (1) Inspector General of Police (2) Magistrate
(3) Inspector General of Prisons (4) Commissioner of Police
- 36. Infanticide means killing of newborn child within**
- (1) One day (2) One month
(3) One year (4) One week
- 37. The offence of "Perjury" means**
- (1) Police Inspector on duty at Police Station speaks lies
(2) Defence lawyer speaks lies
(3) A witness under oath speaks lies
(4) A jury speaks lies
- 38. Medical evidence is never recorded in**
- (1) High Court (2) Sessions Court
(3) Magistrate Court (4) Coroner's Court
- 39. Locard's principle of exchange helps to**
- (1) Determine time since death (2) Determine exchange of babies
(3) Determine poisons (4) Ascertain criminal offences
- 40. Professional death sentence is passed by**
- (1) Professionals (2) Government of India
(3) State Medical Council (4) Sessions Judge
- 41. Registered Medical Practitioner who causes death due to negligence gets prosecuted under Section**
- (1) 304 IPC (2) 304 A IPC
(3) 302 IPC (4) 320 IPC

~~42.~~ Grievous Hurt excludes

- (1) Simple Hurt
- (2) Dangerous Hurt
- (3) Emasculation
- (4) Dislocation of tooth

43. The most widely used test for pathogenicity for *Staphylococcus aureus* is

- (1) Bacitracin test
- (2) Optochin test
- (3) Coagulase test
- (4) Inulin fermentation test

44. Frei's skin test for demonstration of hypersensitivity is done in

- (1) Scarlet fever
- (2) Atypical pneumonia caused by *Mycoplasma*
- (3) Lymphogranuloma venereum
- (4) Leprosy

45. Which of these tests is used for diagnosis of Anthrax?

- (1) A.S.O test
- (2) Ascoli's ring precipitation test
- (3) Shick test
- (4) Dick test

46. The class of Immunoglobulin that appears first in response to any infection is

- (1) IgG
- (2) IgM
- (3) IgD
- (4) IgE

47. Gold standard test for diagnosis of enteric fever during first week of illness is

- (1) Blood culture
- (2) Raised titre for T-O and T-H in Widal test
- (3) Co-agglutination test
- (4) ELISA test

48. HIV can infect all of these cells with the exception of

- (1) CD 4 T lymphocytes
- (2) Dendritic cells
- (3) Neuroglial cells
- (4) Red blood cells

49. Gamma Interferon is produced by
- (1) B lymphocytes (2) Sensitized T cells
(3) Macrophages (4) Fibroblast cells
50. The type of cytopathic effect produced by measles virus when grown in cell lines is
- (1) Formation of cytoplasmic vacuolation
(2) Formation of large granular clumps
(3) Syncytium formation
(4) Crenation and degeneration of cell lines
51. Which of these parasites do not cause anemia?
- (1) *Ankylostoma duodenale* (2) *Trichuris trichura*
(3) *Diphyllobothrium latum* (4) *Necator americanus*
52. Vector responsible for transmission of Dengue virus infection is
- (1) Female *Anopheles* mosquito (2) *Culex fatigans*
(3) *Culex vishnui* (4) *Aedes aegypti*
53. Diurnal periodicity is a characteristic feature of infection caused by
- (1) *Wuchereria bancrofti* (2) *Brugia malayi*
(3) *Loa loa* (4) *Mansonella ozzardi*
54. The first vaccine to be used successfully in humans as prophylactic agent was
- (1) Rabies vaccine (2) Yellow fever vaccine
(3) Anthrax vaccine (4) Cow pox vaccine
55. In Eumycotic mycetoma caused by *Madurella mycetomi* the color of granules obtained from the discharging sinus is
- (1) Black (2) White
(3) Yellow (4) Red
56. Casoni's test is used for diagnosis of
- (1) Kala-azar (2) Hydatid cyst disease
(3) Cysticercosis (4) Toxoplasmosis

57. Reynolds-Braude phenomenon is seen within 2 hours and serves as an identification character for
- (1) Ray fungus
 - (2) *Cryptococcus neoformans*
 - (3) *Rhizopus*
 - (4) *Candida albicans*
58. The sensitivity of VDRL test for diagnosis of secondary syphilis is around
- (1) 35–40%
 - (2) 65–70%
 - (3) 95–100%
 - (4) 75–80%
59. Rheumatic fever is a late sequelae of
- (1) Pyogenic meningitis caused by group 'B' beta haemolytic streptococci
 - (2) Lobar pneumonia caused by *Streptococcus pneumoniae*
 - (3) Pharyngitis caused by group 'A' beta haemolytic streptococci
 - (4) Streptococcal skin infections
60. Surgical gloves are sterilized by Autoclaving and not by boiling in a waterbath because
- (1) Gloves will melt on boiling
 - (2) Gloves will become wet at the end of the procedure
 - (3) Boiling is more time consuming
 - (4) Boiling is not a method of sterilization
61. As per Kass's concept of significant bacteriuria, the bacterial count in the mid stream urine sample should be
- (1) 100,000 organisms/ml of urine or more
 - (2) 10,000 organisms/ml of urine or more
 - (3) 1000 organisms/ml of urine or more
 - (4) 100 organisms/ml of urine or more
62. Classical strains of *Vibrio cholerae* can be differentiated from the El tor vibrios based on
- (1) Serotyping
 - (2) Susceptibility to group IV phage
 - (3) Salt tolerance test
 - (4) Susceptibility to Vibriostatic compound O- 129

63. Vincent's angina is caused by

- (1) *Borrelia vincenti*
- (2) *Bacteroides fragilis* in association with *Fusobacterium fusiforme*
- (3) *Borrelia vincenti* in association with *Fusobacterium fusiforme*
- (4) *Fusobacterium fusiforme*

64. Beta Human Chorionic Gonadotropin is markedly elevated in

- (1) Yolk Sac Tumor
- (2) Seminoma
- (3) Choriocarcinoma
- (4) Embryonal Carcinoma

65. Osteogenic Sarcoma of the bone affects is

- (1) Epiphyses
- (2) Metaphyses
- (3) Diaphysis
- (4) Cartilage

66. Tuberculous Meningitis most often affects

- (1) Corpus Callosum
- (2) Optic nerves
- (3) Motor area of brain
- (4) Base of the brain

67. Neurofibrillary tangles are seen in

- (1) Parkinson's disease
- (2) Alzheimer disease
- (3) Fibrillary Astrocytoma
- (4) Huntington Disease

68. Auspitz sign is seen in

- (1) Lichen Planus
- (2) Verrucae
- (3) Psoriasis
- (4) Pemphigus

69. Sarcoma Botryoides is a type of

- (1) Pleomorphic Rhabdomyosarcoma
- (2) Embryonal Rhabdomyosarcoma
- (3) Leiomyosarcoma
- (4) Synovial Sarcoma

- 70.** The following is X-Linked Muscular Dystrophy
- (1) Congenital muscular Dystrophy
 - (2) Becker Muscular Dystrophy
 - (3) Limble girdle muscular Dystrophy
 - (4) Myotonic Dystrophy
- 71.** Maffucci syndrome is seen with
- (1) Multiple osteomas
 - (2) Multiple chondromas
 - (3) Multiple fibromas
 - (4) Multiple lipomas
- 72.** Zell ballen pattern is typical of
- (1) Astrocytoma
 - (2) Meningioma
 - (3) Pheochromocytoma
 - (4) Chondrosarcoma
- 73.** Nodular glomerulosclerosis is characteristic of
- (1) Gout
 - (2) Systemic Lupus Erythematosus
 - (3) Hypertension
 - (4) Diabetes mellitus
- 74.** Medullary Carcinoma of thyroid arises from
- (1) Parafollicular cells
 - (2) Hurthle cells
 - (3) Follicular cells
 - (4) G Cells
- 75.** In breast cancer, over expression of HER2/Neu is associated with
- (1) Poor prognosis
 - (2) No change in prognosis
 - (3) Good prognosis
 - (4) Benign behaviour
- 76.** Psammoma bodies are seen in
- (1) Astrocytoma
 - (2) Meningioma
 - (3) Oligodendroglioma
 - (4) Ependymoma
- 77.** H.Pylori organisms are absent in the following areas
- (1) Areas with intestinal metaplasia
 - (2) Foci of pyloric metaplasia
 - (3) Gastric type of mucosa of barrett esophagus
 - (4) Superficial mucus layer

78. Bowens disease is seen in
- | | |
|------------|------------|
| (1) Kidney | (2) Breast |
| (3) Lung | (4) Penis |
79. Reye syndrome is due to
- | | |
|------------------------------------|--------------------------|
| (1) Exposure to amantia phalloides | (2) Carbon tetrachloride |
| (3) Acetyl salicylic acid toxicity | (4) Alcohol |
80. Ascites becomes clinically detectable when the following amount of peritoneal fluid has accumulated
- | | |
|------------|-------------|
| (1) 100 ml | (2) 500 ml |
| (3) 50 ml | (4) 1500 ml |
81. C Kit (CD 117) gene mutation is seen in
- | | |
|-------------------------------------|---------------------|
| (1) Gastrointestinal Stromal Tumors | (2) Carcinoid |
| (3) Lymphoma | (4) Gonado balstoma |
82. Oral Candidiasis has the following feature
- | | |
|-------------------|-----------------------------|
| (1) Ulcer | (2) Red patch |
| (3) Yellow slough | (4) White, curd-like plaque |
83. Caseous necrosis is a type of
- | | |
|---------------------------|-------------------------|
| (1) Liquefactive necrosis | (2) Gangrenous necrosis |
| (3) Coagulative necrosis | (4) Fat necrosis |
84. Metastatic Calcification occurs in
- | | |
|--------------------------|----------------|
| (1) Dystrophy of tissues | (2) Dysplasia |
| (3) Hypercalcemia | (4) Metaplasia |
85. Air embolism is seen in
- | | |
|------------------------------|------------------------|
| (1) Prolonged immobilisation | (2) Fracture of femur |
| (3) Decompression sickness | (4) Complicated labour |

- 86. Antigen presenting cells are**
- | | |
|---------------------|-------------------|
| (1) Plasma cells | (2) T Lymphocytes |
| (3) Dendritic cells | (4) N K Cells |
- 87. Transfusion reactions are**
- (1) Antibody mediated hypersensitivity
 - (2) Immune complex mediated hypersensitivity
 - (3) Immediate hypersensitivity
 - (4) Cell mediated hypersensitivity
- 88. Pannus is characteristic of**
- | | |
|-----------------------|--------------------------|
| (1) Sjogrens Syndrome | (2) Rheumatoid Arthritis |
| (3) Scleroderma | (4) Polyarteritis Nodosa |
- 89. Drug that is eliminated by Hofmann's degradation, plasma esterases and renal elimination is**
- | | |
|---------------------|----------------|
| (1) Succinylcholine | (2) Atracurium |
| (3) Mivacurium | (4) Rocuronium |
- 90. Therapeutic drug monitoring is done in following situations**
- (1) To check patient compliance
 - (2) In case of failure of response without any apparent reason
 - (3) Drugs with low safety margin
 - (4) All of the above
- 91. Which one of the following drugs would be suitable as a diagnostic agent for myasthenia gravis and also for post operative decurarization?**
- | | |
|-----------------|-------------------|
| (1) Tacrine | (2) Edrophonium |
| (3) Neostigmine | (4) Echothiophate |
- 92. From drugs listed below select a uroselective alpha 1A blocker**
- | | |
|---------------|------------------|
| (1) Yohimbine | (2) Phentolamine |
| (3) Prazosin | (4) Tamsulosin |

93. In angle-closure glaucoma 20% mannitol acts by
- (1) Reducing aqueous humor formation
 - (2) Increasing uveo-scleral outflow
 - (3) Decongesting the eye by osmotic action
 - (4) Increasing ciliary muscle tone and improving patency of trabeculae
94. Which one of the following anti-emetics is not effective in motion sickness?
- (1) Chlorpromazine
 - (2) Promethazine
 - (3) Cyclizine
 - (4) Cinnarizine
95. Naratriptan causes constriction of intracranial blood vessels and relieves migraine by an agonistic action on
- (1) 5HT_{1B/1D}
 - (2) 5HT₃
 - (3) 5HT₂
 - (4) 5HT_{2A/2C}
96. Which one of the following drugs produces bronchodilatation within minutes of inhalation and is long acting (12 hrs and more)?
- (1) Formoterol
 - (2) Fenoterol
 - (3) Albuterol
 - (4) Salmeterol
97. Select the drug which is contraindicated in Prinzmetal angina
- (1) Alpha adrenergic blocker
 - (2) Beta adrenergic blocker
 - (3) Calcium channel blocker
 - (4) Angiotensin II receptor blocker
98. After initiation of digoxin therapy with a maintenance dose steady state blood levels are achieved in about
- (1) 36 hours
 - (2) 7 days
 - (3) 17 days
 - (4) 27 days
99. Furosemide is useful in acute pulmonary edema because of
- (1) Rapid increase in venous capacitance
 - (2) Brisk natriuresis
 - (3) Reduction in left Ventricular filling pressures
 - (4) All of the above

- 100.** Select one drug that is particularly effective in treatment of hypertension due to adrenal adenomas
- (1) Triamterene (2) Furosemide
(3) Acetazolamide (4) Spironolactone
- 101.** Flumazenil is used to reverse the anaesthetic action of
- (1) Thiopentone (2) Fentanyl
(3) Midazolam (4) Ketamine
- 102.** Which one of the following drugs used in treatment of absence seizures is to be avoided in children below 3 years of age?
- (1) Valproate (2) Ethosuccimide
(3) Clobazam (4) Clonazepam
- 103.** The prostaglandin used for maintaining patency of ductus arteriosus is
- (1) PGF-2 alpha (Dinoprost) (2) 15 methyl PGF2 alpha (Carboprost)
(3) PGE2 (Dinoprostone) (4) PGE1 (Alprostadil)
- 104.** Select the drug that is not useful in thyroid crisis
- (1) Radioactive iodine (2) Potassium iodide
(3) Hydrocortisone (4) Propranolol
- 105.** Insulin lispro is produced by reversing proline and lysine at carboxy terminus
- (1) A28 and A29 (2) B28 and B29
(3) B23 and B29 (4) B21 and B28
- 106.** Pharmacologic effect of exogenous glucocorticoids include
- (1) Immunostimulation (2) Hypoglycemia
(3) Impaired wound healing (4) Increased muscle mass

107. An antibiotic preferred to treat nosocomial infection is
- (1) Amikacin (2) Gentamycin
(3) Streptomycin (4) Kanamycin
108. Arteether, a compound developed in India for treatment of complicated/cerebral malaria can be administered by
- (1) Oral, Intramuscular or Intravenous routes
(2) Oral and Intramuscular but not I.V. route
(3) Only Intramuscular route
(4) Only Intravenous route
109. Choose the azole antifungal drug that is used only topically
- (1) Ketoconazole (2) Fluconazole
(3) Itraconazole (4) Econazole
110. The digestive function in a cell is present in
- (1) Centrosome (2) Lysosomes
(3) Ribosomes (4) Endoplasmic reticulum
111. The type of the RNA in the cell is
- (1) Messenger RNA (2) Transfer RNA
(3) Ribosomal RNA (4) All of the above
112. Resting membrane potential of a large nerve is
- (1) -55 mv (2) -90 mv
(3) + 60 mv (4) + 70 mv
113. Inhibitory Neurotransmitter at the post synaptic membrane causes
- (1) Depolarization (2) Repolarisation
(3) Hyperpolarisation (4) End plate potential

114. Parietal cell secretes

- (1) HCl
- (2) Nitric oxide
- (3) Sulphuric acid
- (4) Gastric juice

115. Ventricular muscles receive impulses directly from

- (1) Purkinje system
- (2) Bundle of His
- (3) Right and left bundle branches
- (4) AV node

116. Frank Starlings Law states that

- (1) Force of contraction is directly proportional to initial length of the muscle fiber within physiological limits
- (2) Higher the stretch less is the velocity of contraction
- (3) Without any limitation, increased stretch produces better and more vigorous contraction
- (4) Length of the muscle fiber remains always the same

117. Einthoven's law states

- (1) The sum of electrical voltage in two standard leads is equivalent to third
- (2) The difference in electrical potential in two standard leads is equal to the third
- (3) The product of electrical voltage difference between two leads is equal to third
- (4) None of the above

118. According to Einthoven's law, it can be shown that at any given moment potential is

- (1) Lead II = lead I + lead III
- (2) Lead II – lead III – lead I
- (3) Lead II – lead I × lead III
- (4) None of the above

119. Goldblatt hypertension is

- (1) Hypertension that occurred in Goldblatt
- (2) Hypertension in response to renal vascular obstruction
- (3) Hypertension in diabetes patients
- (4) Hypertension due to excess of aldosterone

- 120.** The type of respiration seen in lactic acidosis is
- (1) Biots breathing (2) Cheyne stokes breathing
(3) Ordine breathing (4) Kussmaul breathing
- 121.** Aldosterone is secreted from
- (1) Zona glomerulosa (2) Zona pellucida
(3) Zona reticularsis (4) Zona faciculata
- 122.** Banting and Best isolated insulin in
- (1) 1890 (2) 1902
(3) 1922 (4) 1947
- 123.** Supraoptic nucleus of the hypothalamus controls which hormone secretion
- (1) Anti diuretic hormone (2) Oxytocin
(3) Growth hormone (4) Follicle stimulating hormone
- 124.** Which part of the cerebellum is concerned with the control of equilibrium and posture?
- (1) Vermis (2) Flocculonodular lobe
(3) Anterior cerebellum (4) All of the above
- 125.** Most rapid pathway in the entire CNS is
- (1) Corticospinal tract (2) Spinocerebellar tract
(3) Lateral spinothalamic tract (4) None of the above
- 126.** Which of the following Vedas gradually developed into the science of Ayurveda?
- (1) Rigveda (2) Yajurveda
(3) Samaveda (4) Atharvaveda
- 127.** Which one of the following indices is not an indicator of Human Development Index?
- (1) Adult Literacy rate (2) Real GDP per capita
(3) Life expectancy at birth (4) Life expectancy at one year of age

- 128.** Temporal association between a risk factor and the disease refers to
- (1) Dose – response relationship (2) Duration - response relationship
(3) One to one relationship (4) Cause and effect relationship
- 129.** The accuracy of positive predictive value depends upon all except
- (1) Sensitivity (2) Specificity
(3) Disease prevalence (4) Fatality
- 130.** The secondary attack rate in unimmunized household contacts of pertussis is
- (1) 90% (2) 70%
(3) 50% (4) 30%
- 131.** Which one of the following food poisoning has the shortest incubation period?
- (1) Staphylococcal (2) Salmonella
(3) Clostridium botulinum (4) Clostridium perfringens
- 132.** Which of the following diseases does not occur in epidemic form?
- (1) Cholera (2) Plague
(3) Filaria (4) Malaria
- 133.** Rabies occurs in all parts of India, except
- (1) Andhra Pradesh (2) Uttar Pradesh
(3) Andaman and Nicobar Islands (4) Assam
- 134.** The major signs of AIDS include all, except
- (1) Weight loss (2) Chronic Diarrhea
(3) Prolonged fever (4) Oropharyngeal Candidiasis
- 135.** The recommended sample size for estimation of prevalence Rheumatic heart disease in school children of 6 – 14 years is
- (1) 1000 – 2000 children (2) 5000 – 10000 children
(3) 20000 – 30000 children (4) 50000 – 100000 children

- 136.** National malaria eradication program was started in the year
- (1) 1953 (2) 1958
(3) 1977 (4) 2003
- 137.** The most efficient spacing method is
- (1) Condom (2) Lippes loop
(3) Cu-T (4) Oral pills
- 138.** Puerperal sepsis is the infection of genital tract occurring within
- (1) 1 week after delivery (2) 3 weeks after delivery
(3) 6 weeks after delivery (4) 9 weeks after delivery
- 139.** Pulse proteins are deficient in
- (1) Lysine (2) Threonine
(3) Methionine (4) Leucine
- 140.** The sequence of family cycle is
- (1) Extension, formation, contraction and dissolution
(2) Contraction, formation, extension and dissolution
(3) Formation, extension, contraction and dissolution
(4) Extension, formation, dissolution and contraction
- 141.** The recommended number of air changes per hour in living rooms is
- (1) Up to 1 per hour (2) 2 – 3 per hour
(3) 4 – 6 per hour (4) More than 6 per hour
- 142.** The color of the plastic bag for disposal of cytotoxic drugs is
- (1) Yellow (2) Red
(3) Blue (4) Black

143. The following is not a fundamental aspect of disaster management
- (1) Disaster response (2) Disaster preparedness
(3) Disaster mitigation (4) Disaster compensation
144. The duration of maternity benefit under ESI for miscarriage is
- (1) 4 weeks (2) 6 weeks
(3) 8 weeks (4) 12 weeks
145. The following genetic abnormality is an autosomal dominant trait
- (1) Cystic fibrosis (2) Color blindness
(3) Retinoblastoma (4) Albinism
146. The neuro-psychiatric disorder with maximum estimated DALYs lost in the year 2001 is
- (1) Unipolar depressive disorder (2) Bipolar affective disorder
(3) Panic disorder (4) Obsessive compulsive disorder
147. The first regular census of India was taken in
- (1) 1881 (2) 1901
(3) 1981 (4) 2001
148. Which of the following is a mass method of health education?
- (1) Lecture (2) Demonstration
(3) Conference (4) Health exhibition
149. Critical path method is an example of
- (1) Cost benefit analysis (2) Cost effective analysis
(3) Network analysis (4) Input-output analysis
150. The Health Survey and Planning Committee is popularly known as
- (1) Bhore Committee (2) Mudaliar Committee
(3) Mukerji Committee (4) Shrivastava Committee

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