

- 1. Refractive Index of cornea is about :**
a. 1.30 b. 1.33 c. 1.37. d. 1.42
- 2 Vomiting center is situated in the :**
a. Hypothalamus b. Amygdala c. Pons d. Medulla
- 3. The fibre which is the thickest in human nerve is :**
a. Touch b. Pain c. Temperature d. Proprioception
- 4. A twitch of motor unit is called:**
a. Myoclonic jerk b. Tremor c. Fasciculation d. Chorea
- 5. The function of the neocerebellum is :**
a. Maintenance of equilibrium b. Servo-correction of voluntary movements
c. Planning and programming of voluntary d. Maintenance of muscle tone
- 6. In a male newborn the adrenogenital syndrome (congenital hyperplasia of the adrenal glands) is most often associated with :**
a. Normal appearing genitalia b. Hypoglycemia
c. Pseudogonadotropism d. Persistent paramesonephros (Mullerian ducts)
- 7. True of the following**
a. Calcium reabsorbed in DCT
b. 90% calcium excreted by glomerulus
c. Parathormone (PTH) promotes absorption of Ca^{++} from intestine
d. PTH promote action of calcitonin
- 8. Oxytocin causes all except:**
a. Lactogenesis b. Milk ejection
c. Contraction of uterine muscle d. Myoepithelial cell contraction
- 9. Iron is absorbed actively in the :**
a. Stomach b. Duodenum c. Terminal ileum d. Proximal ileum
- 10. At what stage of erythropoiesis does Hemoglobin appear ?**
a. Reticulocyte b. Intermediate normoblast c. Early normoblast d. Erythroblast
- 11. Which one of the following is released by blood platelets during haemorrhage of produce vasoconstriction ?**
a. Serotonin b. Histamine c. Thrombosthenin d. Bradykinin
- 12. Arterial O_2 content is reduced in one of the following :**
a. Stagnant hypoxia b. Anemic hypoxia c. Histotoxic hypoxia d. Ischemic hypoxia
- 13. A patient was admitted to the hospital and ECG lead III was recorded. It was found to contain no S wave. The P,R and T waves normal . What conclusions can you draw?**
a. Activation of parts of the base of the heart are abnormal
b. Activation of parts of the apex of the heart are abnormal
c. There has been cardiac depression
d. There are no indication of cardiac abnormalities

14. Glomerular Filtration Rate is increased when:

- a. Plasma oncotic Pressure is increased b. Glomerular hydrostatic pressure is decreased
c. There has been cardiac depression d. There are no indications of cardiac abnormalities

15. Two same charged proteins can be separated by:

- a. Agarose b. DEAE Cellulose c. Sephadex d. None of these

16. Kinase require:

- a. Mn^{++} b. Cu^{++} c. Mg^{++} d. Inorganic phosphate

17. Detoxification of drugs is controlled by:

- a. Cytochrome b. Cytochrome P₄₅₀ c. Cytochrome C d. Cytochrome A

18. Von Geirk's disease is due to the deficiency of :

- a. Glucose-6 Phosphatase b. Glucose-1 Phosphatase c. Branching enzyme d. Mycophosphorylase

19. Skeletal muscle is deficient in:

- a. Glucose-6 phosphatase b. Hexokinase c. Isomerase d. Phosphofructokinase

20. Phospholipids include all except:

- a. Plasmalogens b. Dipalmitoyl lecithin c. Ceramide d. Cardiolipin

21. Respiratory disease syndrome in premature infants is due to inadequate secretion of which one of the following lipids?

- a. Dipalmitoyl phosphatidylcholine b. Sphingomyelin
c. Cholesterol d. Phosphatidylinositol

22. Maple syrup urine disease is due to deficiency of :

- a. Decarboxylation b. Dehydroxylation c. Transamination d. Deamination

23. Sickle cell anemia is the clinical manifestation of homozygous genes for abnormal hemoglobin molecule. The event responsible for the mutation in the B chain is:

- a. Insertion b. Deletion c. Non-disjunction d. Point mutation

24. Xeroderma pigmentosa is caused due to a group of closely related abnormalities in :

- a. Mismatch repair b. Base excision repair c. Nucleotide excision repair d. SOS repair

25. In metabolic alkalosis, which is true about excretion in urine :

- a. More of NH_3 b. Less of acetoacetic acid c. Beta-hydroxy butyric acid d. Less ammonia

26. Which of the following is an inhibitor of platelet aggregation ?]

- a. Leukotriene A₄ b. Prostacyclin c. Thromboxane A₂ d. Prostaglandin H₂

27. The following structures are attached to the greater tuberosity of the humerus except:?

- a. Supraspinatus muscle b. The coracohumeral ligament
c. Teres minor muscles d. Subscapularis muscle

28. Muscles that can extend the middle distal phalanx of the index finger include all except:

42. Which of the following disorders has been shown to be genetically transmitted by single autosomal dominant genes :

- a. Cataconic schizophrenia
b. Phenyl keronuria
c. Cretzfeldt-Jakob's disease
d. Huntington's disease

43. Gingival biopsy is useful in the diagnosis of :

- a. Sarcoidosis
b. Amyloidosis
c. Histoplasmosis
d. Scurvy

44. " Biphasic pattern" on histology is seen in which tumor:

- a. Rhabdomyosarcoma
b. Synovial cell sarcoma
c. Osteosarcoma
d. Neurofibroma

45. The most important function of epithelioid cells in tuberculosis is :

- a. Phagocytosis
b. Secretory
c. Antigenic
d. Healing

46. In arteriosclerosis, increased LDL in monocyte macrophage is due to :

- a. LDL receptors on macrophage
b. LDL receptors on endothelium
c. Lipids in LDL get autothelium
d. All of the above

47. Augopsy finding after 12 hrs in a case of death due to M.I :

- a. Caseous necrosis
b. Coagulative necrosis
c. Fat necrosis
d. Loquefactive necrosis

48. Donath-Landsteiner antibodies are seen in :

- a. Warm agglutination
b. Cold agglutination
c. Paroxysmal nocturnal hemoglobinuria
d. ITP

49. Aplastic anemia can progress to all except:

- a. AML
b. Myelodysplastic anemia
c. Pure red cell aplasia
d. Paroxysmal nocturnal hemoglobinuria

50. The anticoagulant of choice for performing coagulation studies is :

- a. EDTA
b. Heparin
c. Trisodium citrate
d. Double oxalate

51. Which of the following surface glycoproteins is most often expressed in human hematopoietic stem cell?

- a. CD22
b. CD40
c. CD15
d. CD34

52. Mantle cell lymphomas positive for all of the following except:

- a. CD23
b. CD20
c. CD5
d. Cyclin D1

53. False about the malignant ulcer of stomach is :

- a. The mucosal folds do not reach the edge of the ulcer
b. Mucosal folds are thickened and fused
c. Ulcer creator is eccentric
d. Margins of the ulcer are overhanging

54. Which of the following is not a feature of liver histology is non cirrhotic?

- a. Fibrosis in and around the portal tract
b. Thrombosis of the medium and small portal vein branches
c. non-specific inflammatory cell infiltrates in the portal tracts
d. Bridging fibrosis

- 55. Finding of multiple myeloma in kidney are all except:**
a. Tubular casts b. Amyloidosis c. Wire loop lesion d. Renal tubular necrosis
- 56. Pseudolymphoma is manifestation of :**
a. Phenytoin b. Carbamazepine c. Sodium valproate d. Phenobarbital
- 57. A patient complains of muscle weakness. On administration of neostigmine , it disappears . What is its mechanism of action :**
a. It blocks action of acetylcholine
b. It interferes with the action of amine oxidase
c. It interferes with the action of carbonic anhydrase
d. It interferes with the action of acetylcholine esterase
- 58. Which is the shortest acting mydriatic:**
a. Atropine b. Tropicamide c. Cyclopentolate d. Homatropine
- 59. Dopamine is preferred in treatment of shock because :**
a. Renal vasodilatory effect b. Increased cardiac output
c. Peripheral vasoconstriction d. Prolonged action
- 60. Beta blocker without local anaesthetic effect is :**
a. Metoprolol b. Pindolol c. Atenolol d. Timolol
- 61. The enzymes pseudocholinesterase acts is :**
a. Decamethonium b. Tubocurarine c. Gallamine d. Suxamethonium
- 62. Drugs used in migraine prophylaxis are all except:**
a. Flunarazine b. Propranolol c. Cyproheptadine d. Sumatriptan
- 63. All are vasodilator except:**
a. Procaine b. Lidocaine c. Cocaine d. Chlorprocaine
- 64. Bone resorption is enhanced by :**
a. PGD2 b. PDF2 c. PGE2 d. PG12
- 65. Which is not true about beclomethasone ?**
a. Indicated for chronic use b. Inhalation steroid
c. Effective in acute asthma d. Predispose to fungal infection
- 66. Which of the following is not used in the management of thyroid storm ?**
a. Potassium iodide b. Reserpine c. Propranolol d. Calcium channel blockers
- 67. Insulin caused :**
a. Na⁺ entry into cells b. K⁺ exit from cells c. Na⁺ exit/K⁺ entry d. K⁺ entry into cells
- 68. Oral contraceptive pills can cause all except:**
a. Mastalgia b. Dysmenorrhea c. Chloasma d. Breakthrough bleeding
- 69. Carbamazepine in elderly causes :**
a. Hyponatremia b. Hypernatremia c. Hyperkalemia d. Hypokalemia

- 70. Digoxin is used in CHF due to :**
a. HOCM (Hypertrophic obstructive cardiomyopathy)
b. High output failure
c. Atrial fibrillation with high ventricular rate
d. All of the above
- 71. Operation theatres are sterilized by:**
a. Carbolic acid spraying
b. Washing with soap and water
c. Formaldehyde fumigation
d. ETO gas
- 72. T₄T₈ ratio reversal is seen in :**
a. T cell lymphoma
b. Hairy cell leukemia
c. AIDS
d. Infectious mononucleosis
- 73. Antigen binding site in immunoglobulin is :**
a. Variable region
b. Hypervariable region
c. Constant region
d. Idiotope
- 74. A 20-year old man presented with hemorrhagic colitis . The stool sample grew Escherichia coli in pure culture . The following serotype of E.coli is likely to be the causative agent:**
a. O 157: H7
b. O 159: H7
c. O 107: H7
d. O 55: H7
- 75. “L-form” phenomenon is most likely to occur in :**
a. Mycobacterium tuberculosis
b. Pseudomonas
c. Proteus
d. Mycoplasma
- 76. It is true about H.Pylori that it :**
a. Is gram+ve spiral organism
b. Is a protozoa
c. Causes chronic gastritis in adult adults to reinfection
d. Treatment prevents gastric lymphoma
- 77. The vector of Japanese B encephalitis virus is :**
a. Anopheles mosquito
b. Culex mosquito
c. Aedes mosquito
d. All of these
- 78. Regarding Hepatitis E, it is true that :**
a. occurs with Hepatitis B
b. Is single stranded DNA virus
c. Occur along with HIV
d. Increases mortality in pregnancy
- 79. The virus which spreads by both hematogenous and neural route is :**
a. Rabies virus
b. Varicella zoster virus
c. Polio virus
d. E.B virus
- 80. Aspergilloma has :**
a. Septate hyphae
b. Pseudohyphae
c. Metachromatic hyphae
d. No hyphae
- 81. The most virulent plasmodium species causing malaria is :**
a. Plasmodium vivax
b. Plasmodium falciparum
c. Plasmodium ovale
d. Plasmodium malariae
- 82. Which egg does not float in a saturated solution of saline ?**
a. Ankylostoma eggs
b. Trichuris eggs
c. Unfertilized eggs of ascaris
d. Fertilized eggs of ascaris
- 83. The most common nematode on South India is :**
a. Brugia timori
b. Brugia malayi
c. Onchocerca volvulus
d. Wuchereria bancrofti
- 84. Microorganism used as weapon in biological terrorism is?**

- a. Smallpox virus b. Rabies virus c. Influenzae virus d. Human parvovirus

85. All causes brain lesions excepts:

- a. Giardiasis b. Tuberculosis c. Cysticercosis d. Bacterioids

86. The age of a 15-year old female is best determined by the radiograph of :

- a. Lower end of Radius and Ulna b. Upper end of humerus
c. Upper end of Radius and Ulna d. Xiphisternum

87. Sodium fluoride is used for preservation :

- a. Urine b. Blood c. Alcohol d. Carbonic acid

88. Maximum congestion is seen in :

- a. Choking b. Hanging c. Strangulation d. Drowning

89. In freshwater drowning the death occurs within 4-5 minutes of submersion due to ventricular fibrillation . Which of the following reasons is responsible for this ?

- a. Total asphyxia produced due to fresh water
b. Laryngospasm causing vagal inhibition
c. Haemoconcentration of blood caused by the osmotic pressure effect
d. Haemodilution, overloading of heart and haemolysis resulting in release of potassium

90. Bevelling of the skull is seen in the :

- a. Broad end of the entry point in bullet injury b. Narrow end of the entry point in bullet injury
c. Exit point of bullet d. Depressed fracture of the skull

91. All are components of black gun powder blister except:

- a. Sulphur b. Charcoal c. Potassium nitrate d. Lead peroxide

92. When a group of muscles of a dead body were in state of strong contraction immediately prior to death and remain so even after death, the condition is termed as:

- a. Gas stiffening b. Rigor mortis c. Cadaveric spasm d. Cold stiffening

93. Legal age gun which fetus is capable of independent existence:

- a. 240 days b. 230 days c. 220 days d. 210 days

94. A bullet fired from a gun is not released. It is ejected out with the subsequent shot . It is known as :

- a. Dumbum bullet b. Rocketing bullet c. Ricochet bullet d. Tandam bullet

95. Brown-coloured urine is seen in the :

- a. Nitric acid poisoning b. Carbolic acid poisoning
c. Hydrochloric acid poisoning d. Sulphuric acid poisoning

96. Which of the following is a non-poisonous snake :

- a. Viper b. Krait c. Sea snake d. Rat snake

97. In methyl alcohol poisoning there is CNS depression, cardiac depression and optic nerve atrophy. These effects are produced due to :

- a. Formaldehyde and formic acid b. Acetaldehyde c. Pyridine d. Acetic acid

98. Priapism occurs in :

- a. Snake bite b. Ratti poisoning c. Catharide poisoning d. Arsenic poisoning

99. Which of the following section of IPC are concerned with dowry death :

- a. 300 b. 302 c. 304A d. 304B

100. A cognizable offence signifies :

- a. Imprisonment upto 2 year b. Imprisonment upto 5 year
c. Arrest without warrant d. Fine upto Rs. 10,000

ANSWER KEY OF-DPG-PART-I							
1	C	26	B	51	D	76	D
2	D	27	D	52	A	77	B
3	D	28	C	53	D	78	D
4	C	29	A	54	D	79	A
5	C	30	B	55	C	80	A
6	A	31	A	56	A	81	B
7	C	32	A	57	D	82	C
8	A	33	D	58	B	83	B
9	B	34	B	59	A	84	A
10	C	35	D	60	C	85	A
11	A	36	B	61	D	86	C
12	B	37	B	62	D	87	C
13	D	38	C	63	C	88	C
14	D	39	D	64	B	89	D
15	C	40	A	65	D	90	C
16	C	41	C	66	D	91	D
17	B	42	D	67	D	92	C
18	A	43	B	68	B	93	D
19	A	44	B	69	C	94	D
20	A	45	A	70	C	95	A
21	A	46	A	71	C	96	D
22	A	47	B	72	C	97	A
23	D	48	B	73	B	98	C
24	C	49	C	74	A	99	D
25		50	D	75	D	100	C