

9/2015

1. Lactate dehydrogenase (LDH) has :  
(A) Two isoenzyme forms                      (B) Four isoenzyme forms  
(C) Five isoenzyme forms                    (D) Only one form
2. The internal diameter of Wintrobe's haematocrit tube is :  
(A) 1 mm                      (B) 1.5 mm                      (C) 2 mm                      (D) 2.5 mm
3. The straw color of the normal urine is due to the pigment :  
(A) Urochrome                      (B) Protoporphyrin  
(C) Stercobilinogen                      (D) None of the above
4. "Cob-Web" appearance in CSF is due to :  
(A) Haemophilus influenza infection      (B) Tuberculous meningitis  
(C) Pneumococcal meningitis              (D) Cryptococcal meningitis
5. Which among the following is coagulase negative ?  
(A) Staph. Haemolyticus                      (B) Staph. Epidermidis  
(C) Staph. Saprophyticus                      (D) All the above
6. Normal albumin to globulin ratio is :  
(A) 1 : 3                      (B) 1 : 2                      (C) 3 : 1                      (D) 2 : 1
7. Gerhardt's test in urine is done to detect :  
(A) Bilirubin                      (B) Bile pigment                      (C) Ketone bodies                      (D) Urobilinogen
8. Gravindex test is used to detect :  
(A) Specific gravity      (B) Icteric index                      (C) Red cell index                      (D) Pregnancy
9. Elek's gel precipitation test is used to detect :  
(A) Escherichia coli                      (B) Corynebacterium diphtheriae  
(C) Staph. aureus                      (D) Bacillus anthracis



19. In a minor cross-matching, mixing is done between :
- (A) Donor's cell with patient's serum (B) Patient's with Donor's serum  
(C) Both (D) None
20. Normal value of total bilirubin in serum is :
- (A) 0.2 - 2 mg/dL (B) 0.2 - 1.0 mg/dL (C) 1 - 2 mg/dL (D) 2 - 2.5 mg/dL
21. In filarial worm's life cycle, the intermediate host is :
- (A) Man (B) Mosquito  
(C) Cyclops (D) None of the above
22. Anti-AB antiserum is color code pink due to :
- (A) Eosin (B) Malachite green (C) Methylene blue (D) Acriflavine
23. Normal HDL level in serum is :
- (A) > 150 mg/dL (B) > 40 mg/dL  
(C) < 40 mg/dL (D) None of the above
24. ASO titre is done for the diagnosis of :
- (A) Staphylococcus aureus infection (B) Streptococcus pyogen infection  
(C) Salmonella typhi infection (D) Shigella flexneri infection
25. Rotary microtome was discovered by :
- (A) William Harvey (B) Minot  
(C) Denis (D) None of the above
26. Which among the following is used for estimation of serum cholesterol ?
- (A) Liebermann - Burhcard (B) Zimmermann reaction  
(C) Salkowsky's reaction (D) All the above
27. Which among the following bacteria shows cuneiform arrangement in smears ?
- (A) Streptococcus pneumonia (B) Coryne bacterium diphtheriae  
(C) Vibrio cholera (D) Staphylococcus aureus

28. In blood banks, platelet concentrate is stored at :  
(A)  $-20^{\circ}\text{C}$             (B)  $37^{\circ}\text{C}$             (C)  $22^{\circ}\text{C}$             (D)  $2^{\circ}\text{C} - 6^{\circ}\text{C}$
29. Which among the following is a non-reducing sugar ?  
(A) Maltose            (B) Fructose            (C) Lactose            (D) Sucrose
30. Hansen's disease is caused by :  
(A) *Corynebacterium diphtheriae*            (B) *Mycobacterium tuberculosis*  
(C) *Mycobacterium leprae*            (D) *Haemophilus influenzae*
31. Resolving power of electron microscope is :  
(A) 10 microns            (B) 0.1 microns            (C) 0.1 nm            (D) 10 nm
32. Hypokalemia is :  
(A) Decreased plasma calcium concn.  
(B) Decreased plasma sodium concn.  
(C) Decreased plasma potassium concn.  
(D) Increased plasma calcium concn.
33. The polypeptide chain composition of HbA is :  
(A)  $\alpha_2 \beta_2$  chain            (B)  $\alpha_2 \delta_2$  chain  
(C)  $\alpha_2 \gamma_2$  chain            (D) None of the above
34. Blood group AB was discovered by :  
(A) Karl Landsteiner            (B) Landsteiner and Weiner  
(C) Levine and Stetson            (D) Decastello and Sturli
35. Esbach's reagent consists of citric acid, water and :  
(A) Formic acid            (B) Picric acid            (C) Acetic acid            (D) Lactic acid
36. Transportation medium used for samples containing *Vibrio cholera* is :  
(A) Alkaline peptone water  
(B) Cary-Blair medium  
(C) Venkataraman Ramakrishnan medium (VR medium)  
(D) All the above

37. Dithionite method is used for detecting :  
(A) LE cell                      (B) Sickle cell                      (C) Target cell                      (D) Spherocytes
38. Normal urea clearance value is :  
(A) 15 - 40 ml/min                      (B) 60 - 95 ml/min  
(C) 120 - 125 ml/min                      (D) None of the above
39. The quick method of staining malarial parasite in thick film is :  
(A) Leishman's stain                      (B) Giemsa stain  
(C) Wright's stain                      (D) Field's stain
40. Lee and White venepuncture method is used to measure :  
(A) Prothrombin time                      (B) Clotting time  
(C) Bleeding time                      (D) Clot retraction time
41. Glucose oxidase enzyme oxidizes glucose to gluconic acid and :  
(A)  $\text{CO}_2$                       (B)  $\text{H}_2\text{O}$                       (C)  $\text{H}_2\text{O}_2$                       (D)  $\text{HCO}_3$
42. Transmission of chicken-pox is through :  
(A) Oro-faecal route                      (B) Respiratory tract  
(C) Uro-genital tract                      (D) None of the above
43. Osmotic fragility is decreased in :  
(A) Sickle cell anaemia                      (B) Thalassaemia major  
(C) Iron deficiency anaemia                      (D) All the above
44. Hemosiderin is derived from :  
(A) Bilirubin                      (B) Haemoglobin                      (C) Haemozoin                      (D) Lipofuscin
45. Which among the following is neutralisation test ?  
(A) CRP test                      (B) VDRL test                      (C) Widal test                      (D) Schick test

46. Molecular weight of NaCl is 58.5. How will you prepare 0.1 M solution of NaCl in water ?  
(A) By dissolving 5.85 mg/L water (B) By dissolving 5.85 gm/100 mL water  
(C) By dissolving 58.5 gm/L water (D) By dissolving 5.85 gm/L water
47. *Cysticercus bovis* is the larva of :  
(A) *Taenia saginata* (B) *Echinococcus granulosus*  
(C) *Taenia solium* (D) *Dracunculus medinensis*
48. Which among the following is a donor reaction ?  
(A) Haemolytic reaction (B) Haemosiderosis  
(C) Anaphylactic reaction (D) None of the above
49. Which among the following is a copper-containing protein ?  
(A) Alpha-1-acid glycoprotein (B) Ceruloplasmin  
(C) Haptoglobin (D) C-reactive protein
50. Which among the following is true in prozone phenomenon ?  
(A) The antigen is in excess  
(B) The antibody is in excess  
(C) Antigen and antibody is at optimum concentration  
(D) None of the above
51. Sequestrene is the commercial name of :  
(A) EDTA (B) Heparin (C) ACD (D) Double oxalate
52. Mumps virus comes under the family :  
(A) Paramyxoviridae (B) Orthomyxoviridae  
(C) Rioviridae (D) Retroviridae
53. The smallest cell in peripheral blood film is :  
(A) RBC (B) Small lymphocyte  
(C) Platelet (D) Neutrophil

54. Hay's test in urine is done to detect the presence of :  
(A) Blood (B) Bile salt (C) Bile pigment (D) Urobilinogen
55. Which among the following is secretory immunoglobulin ?  
(A) IgE (B) IgA (C) IgM (D) IgG
56. For preparing double oxalate mixture, the ammonium oxalate and potassium oxalate are used in the ratio :  
(A) 2 : 3 (B) 1 : 3 (C) 3 : 1 (D) 3 : 2
57. Which among the following is not an ingredient of Hinglemann's fluid ?  
(A) 95% phenol (B) 40% formaldehyde  
(C) Trisodium citrate (D) Eosin yellow
58. The gauge of needle used for venous blood collection in adults is :  
(A) 25 G (B) 16 G (C) 22 G (D) 18 G
59. Sulphuric acid concentration needed to stain M.tuberculosis is :  
(A) 25% (B) 20% (C) 5% (D) 1%
60. Mean cell haemoglobin normal value is :  
(A) 32 - 38 picograms (B) 27% - 32%  
(C) 36% - 42% (D) 27 - 32 picograms
61. Normal renal threshold value is :  
(A) 150 - 160 mg% (B) 180 - 200 mg%  
(C) 200 - 220 mg% (D) None of the above
62. Father of Microbiology is :  
(A) Edward Jenner (B) Anton Van Leeuwenhock  
(C) Robert Koch (D) Louis Pasteur
63. The anticoagulant of choice for osmotic fragility test is :  
(A) Double oxalate (B) EDTA (C) Heparin (D) Sodium citrate

64. The normal value of S.creatinine is :  
(A) 0.2 - 0.6 mg% (B) 0.6 - 1.2 mg%  
(C) 1.4 - 2 mg% (D) None of the above
65. Malignant tertian malaria is caused by :  
(A) *Pl.vivax* (B) *Pl. falciparum* (C) *Pl. malariae* (D) *Pl.ovale*
66. The genes of the Rh system are located in :  
(A) Chromosome 1 (B) Chromosome 8 (C) Chromosome 9 (D) Chromosome 10
67. Which among the following is a simple lipid ?  
(A) Fat (B) Phospholipid (C) Lipoproteins (D) Glycolipid
68. Obligate aerobe can grow :  
(A) Only in the presence of oxygen  
(B) Only in the absence of oxygen  
(C) Both in the presence or absence of oxygen  
(D) Only in the presence of carbon dioxide
69. Zeta sedimentation method is used for measuring :  
(A) Packed cell volume (B) Erythrocyte sedimentation rate  
(C) Mean cell volume (D) None of the above
70. The term pH represents :  
(A) Log of hydroxyl ion concentration  
(B) Log of hydrogen ion concentration  
(C) Negative log of hydroxyl ion concentration  
(D) Negative log of hydrogen ion concentration
71. Which among the following is a spirochaete ?  
(A) *Vibrio cholerae* (B) *Treponema pallidum*  
(C) *Actinomyces israelii* (D) *Haemophilus influenzae*

72. Diazo reagent is used in :  
 (A) Berthelot method (B) BCG method  
 (C) Biuret method (D) None of the above
73. Hydatid disease is caused by :  
 (A) Enterobius vermicularis (B) Ascaris lumbricoides  
 (C) Entamoeba histolytica (D) Echinococcus granulosus
74. Which among the following chemicals is used for occult blood test ?  
 (A) Benedict's reagent (B) Seliwanoff's reagent  
 (C) Gum guaiacum (D) None of the above
75. The working of a spectrophotometer is based on :  
 (A) Newton's law (B) Beer-Lambert's law  
 (C) Mendelian's law (D) None of the above
76. Inspissation method is used for sterilizing :  
 (A) Robertson's cooked meat medium  
 (B) Cary Blair's medium  
 (C) Nutrient agar medium  
 (D) Lowenstein - Jensens media
77. During section cutting the thickness gauge of microtome is adjusted to :  
 (A) 1 - 2  $\mu\text{m}$  (B) 1 - 2 mm (C) 4 - 5  $\mu\text{m}$  (D) 4 - 5 mm
78. The refractive index of DPX mountant is :  
 (A) 1 (B) 1.2 (C) 1.4 (D) 1.52
79. African sleeping sickness is caused by :  
 (A) Leishmania donovani (B) Trypanosoma brucei  
 (C) Trypanosoma cruzie (D) Schistosoma haematobium

80. Barr body demonstration can be done by :
- (A) Field's stain (B) PAS stain  
(C) Van gieson's stain (D) Shorr's stain
81. The Satyagraha held in Kerala after Independence against untouchability was :
- (A) Vaikom Satyagraha (B) Guruvayur Satyagraha  
(C) Paliyum Satyagraha (D) Payyannur Satyagraha
82. In 1915, Mahatma Gandhi founded an ashram on the banks of river Sabarmati. It was known as :
- (A) Satyagraha Ashram (B) Sabarmati Ashram  
(C) Harijan Ashram (D) Swaraj Ashram
83. Of the four events mentioned below, which was the last to take place ?
- (A) The Cripps Mission (B) The Simon Commission  
(C) Cabinet Mission Plan (D) Wavel Plan
84. Among the reformers, who worked for the reformation of Nair Society ?
- (A) Chattampi Swamikal (B) Vagbhadananda  
(C) Swami Vivekananda (D) Mannath Padmanabhan
85. 'Moksha Pradeepam' is the work of :
- (A) Vagbhadananda (B) Brahmananda Sivayogi  
(C) Vaikunda Swami (D) Sree Narayana Guru
86. Gandhi's ideas on 'Sarvodaya and Basic Education' were derived from :
- (A) Tolstoy (B) Vivekananda (C) Ruskin (D) Thoreau
87. Who played an important role in bringing the Congress and League together in Lucknow Session of 1916 ?
- (A) Sir Syed Ahmed Khan (B) Mahatma Gandhi  
(C) Bal Gangadhar Tilak (D) Bipin Chandra Pal