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- Q The brain of any computer system is
- (A) ALU (B) CPU  
 (C) Memory (D) Control Unit
- Q Which of the following retains the information, it's storing, when the power to the system is turned off
- (A) CPU (B) RAM  
 (C) ROM (D) DIMM
- Q A network of computers and other devices that is confined to a relatively small space is called
- (A) Local Area Network (B) Wide Area Network  
 (C) Global Network (D) Peer-to-peer Network
- Q Every computer connected to the Internet is identified by a unique four part string, known as :
- (A) IP address (B) Com address  
 (C) Host name (D) Domain name
- Q Which of the following statement is correct ?
- (A) 1 KB file is equal to 1024 bytes (B) 1 MB = 2048 bytes  
 (C) 1 MB = 1000 kilo bytes (D) 1 KB = 1000 bytes
- Q USB is a device, used to store data and stands for
- (A) Unlimited Service Bond (B) Unlimited Service Bus  
 (C) Universal Serial Bus (D) Universal Service Bus
- Q From the following, which is not computer input device ?
- (A) Key Board (B) Printer  
 (C) Mouse (D) Joy Stick
- Q The device used to connect two systems using different protocols is,
- (A) Modem (B) Gateway  
 (C) Repeater (D) Bridge

621 - SMC - 2021 - D ]

3

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29. HTTP stands for  
 (A) Hyper Text Transfer Protocol (B) Hyper Timed Text Protocol  
 (C) Hyper Transfer Text Protocol (D) Hopper Text Jumper Protocol
30. A character has how many bits?  
 (A) 32 (B) 16  
 (C) 12 (D) 8
31. Which of the below cell is not a part of blood cells.  
 (A) Erythrocyte (B) Neutrophil  
 (C) Osteoclast (D) Basophil
32. Large Granular lymphocytes are.  
 (A) T-Cells (B) Macrophages  
 (C) Natural killer cells (D) Dendritic cells
33. Which needle is used for the bone Marrow aspiration?  
 (A) Sahli's needle (B) Jamshidi needle  
 (C) Vim Silverman's needle (D) Tru Cut biopsy needle
34. Which Method is used to measure haemoglobin?  
 (A) Westerngreen Method (B) Sahli's Method  
 (C) Sickling Test (D) Neubaur's Chamber
35. Which is the anticoagulant?  
 (A) Sodium citrate (B) Ehrlich reagent  
 (C) Benedict's Solution (D) Acetic Acid
36. Which condition causes cosmophilia?  
 (A) Post operative state (B) Allergic condition  
 (C) Bacterial infection (D) Haemorrhage
37. Which one is not the cause of prolonged bleeding time?  
 (A) Thrombocytopenia (B) Aplastic Anemia  
 (C) Iron deficiency Anemia (D) Disseminated intravascular coagulation

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4

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18. "Multiple Myeloma" is a disorder of which cells ?  
 (A) Lymphocytes (B) Red blood cells  
 (C) Myelocytes (D) Plasma cells
19. Thalassemia Major cannot be detected by which test?  
 (A) ESR (B) Peripheral smear  
 (C) Electrophoresis (D) Chromatography
20. Bombay phenotype are individuals who lack  
 (A) 'A' antigen (B) 'B' antigen  
 (C) 'H' substance (D) anti 'H' antibodies
21. Which is the most sensitive method for blood grouping.  
 (A) Slide technique (B) Tube technique  
 (C) Gel card technique (D) Coomb's test
22. Platelets are stored at  
 (A)  $-4^{\circ}\text{C}$  (B)  $0 - 4^{\circ}\text{C}$   
 (C)  $20 - 22^{\circ}\text{C}$  (D) At room temperature
23. To diagnose a case of autoimmune haemolytic anemia the test carried out is  
 (A) Direct Coomb test (B) Indirect Coomb test  
 (C) Slide test (D) Lansteiner test
24. Indirect test is used to detect ?  
 (A) Anti Rh antibodies on the red cell surface  
 (B) Anti Rh antibodies in serum  
 (C) Rh antigens on the red cell surface  
 (D) Rh antigen in the serum
25. Which one cannot be transmitted by blood transfusion  
 (A) AIDS (B) Hepatitis  
 (C) Syphilis (D) Cancer

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26. Which one is the transfusion associated complication ?  
☒ (A) Haemolytic Reaction (B) Peptic Ulcer  
 (C) Myocardial infarction (D) Tuberculosis
27. Which one is the indication of exchange transfusion ?  
 (A) Gullain Barre Syndrome (B) Pneumonia  
 (C) Diarrhoea ☒ (D) Vomiting
28. Which one is not the blood Group system  
 (A) ABO System ☒ (B) Rh System  
 (C) KELL System (D) XY System
29. Elephantiasis is caused by which parasite ?  
 (A) P. Vivex (B) Round worm  
☒ (C) Microfilaria (D) Whip worm
30. Leishmania donovani is leading to develop  
 (A) Malaria (B) Diarrhoea  
 (C) Sleeping sickness ☒ (D) Kala azar
31. Banana shape appearance in peripheral smear is a characteristic of  
 (A) Microfilaria (B) P. Vivex Gamatocyte  
☒ (C) P. falciparum Gamatocyte (D) Round worm
32. Löffler's syndrome is caused by which parasite ?  
 (A) Malarial Parasite (B) Microfilaria  
 (C) Round worm (D) Hook worm
33. Schistosoma haematobium is a  
☒ (A) Blood trematode (B) Hepatic trematode  
 (C) Intestinal trematode (D) Lung trematode
34. Which is not the intestinal nematode  
☒ (A) Loa Loa (B) Ascaris lumbricoides  
 (C) Trichuriasis trichura (D) Trichinella spiralis



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35. Frank Blood in stool is a characteristic feature of  
 (A) Bacillary dysentery (B) Amoebic dysentery  
 (C) Traveller's diarrhoea (D) Cholera
36. Which adult parasite shows bent anterior end dorsally?  
 (A) Ascaris lumbricoides (B) Wuchereria bancrofti  
 (C) Ancylostoma duodenale (D) Entamoeba histolytica
37. Red colour of urine indicates presence of  
 (A) Pus in Urine (B) Bile in urine  
 (C) Fat in Urine (D) Blood in Urine
38. Esbach's Albuminometer is used to measure  
 (A) Specific gravity in Urine (B) Sugar in Urine  
 (C) Bile-salt and bile pigment in Urine (D) Protein in Urine
39. "Fixed specific Gravity" is a characteristic of  
 (A) Urinary tract infection (B) Haematuria  
 (C) Renal stone (D) Chronic Glomerulonephritis
40. Cause of Glycosuria  
 (A) Diabetes Mellitus (B) Renal Glycosuria  
 (C) Administration of Corticosteroids (D) All of the above
41. Normal pH of semen is  
 (A) between 7 and 8 (B) between 15 and 16  
 (C) between 1 and 2 (D) between 0 and 1
42. Semen examination is needed to diagnose  
 (A) Infertility (B) Medicolegal cases  
 (C) Success of Vasectomy (D) All of the above
43. Normal protein in serum is?  
 (A) Total 4 to 6 gm/dl (B) Total 6 to 8.3 g/dl  
 (C) Total 15 to 20 g/dl (D) Total 3 to 5 gm/dl

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44. Normal protein in CSF is ?  
 (A) 8 - 7 mg/dl (B) 15 - 45 mg/dl  
 (C) 15 - 45 gm/dl (D) 10 - 12 gm/dl
45. Meningitis can be diagnosed by examination of  
 (A) Urine (B) Semen  
 (C) Plural fluid (D) CSF
46. Which is not the technique to measure the blood sugar level.  
 (A) Glucose tolerance test (B) Oxidase-peroxidase method  
 (C) Foline - Wu method (D) Unstrip method
47. Normal blood sugar level is  
 (A) Less than 140 mgs (B) Less than 200 mgms  
 (C) Less than 140 gms (D) Less than 60 mgs
48. Serum creatinine level is measured for which organ function ?  
 (A) Liver (B) Lung  
 (C) Heart (D) Kidney
49. Which is not the liver function test.  
 (A) S. Billirubin (B) S. SGPT  
 (C) S. SGOT (D) Blood Urea Nitrogen
50. Which instrument is used to separate the serum from whole blood ?  
 (A) Colorimeter (B) Centrifuge  
 (C) Microscope (D) Microtom
51. In which condition serum TSH level increases ?  
 (A) Hypothyroidism (B) Hyperthyroidism  
 (C) Cushing's Syndrome (D) Pheochromocytoma
52. Which organ secretes Insuline ?  
 (A) Liver (B) Stomach  
 (C) Pancreas (D) Colon



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53. Which one are potential diabetic ?  
(A) Children of two diabetic parents  
(B) Sibling of a diabetic  
(C) Nondiabetic member of a pair of monozygotic diabetic twin  
(D) All of the above
54. Serum Alkaline phosphatase increases in which disease ?  
(A) Osteosarcoma (B) Wilms tumor  
(C) Gastric Carcinoma (D) Breast tumor
55. Which are the investigations suggested for Covid patient.  
(A) CBC (Complete blood count) (B) C - reactive protein  
(C) Serum ferritin (D) All of the above
56. Earliest measurable cardiac marker in a case of myocardial infarction (Heart attack)  
(A) Myoglobin (B) Lactate dehydrogenase  
(C) Creatinine Kinase MB (D) Creatinine Kinase BB
57. Normal serum cholesterol level is  
(A) Less than 200 mg/dl (B) Less than 250 mg/dl  
(C) Less than 500 mg/dl (D) Less than 700 mg/dl
58. Antibodies lies on which cells ?  
(A) B Cells (B) T Cells  
(C) NK Cells (D) Macrophages
59. In which disease CD4 + T lymphocyte count decreases ?  
(A) Pneumonia (bacterial)  
(B) Covid (Corona Virus included)  
(C) Candidiasis  
(D) AIDS (Acquired immuno deficiency syndrome)
60. How many type of Hypersensitivity Syndroms (Reactions) are seen ?  
(A) Two (B) Three  
(C) Four (D) Five

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65. Which one is autoimmune disease ?  
(A) Rheumatoid arthritis (B) Meningitis  
(C) Pulmonary Embolism (D) Squamous cell carcinoma
66. Kidney transplantation from HLA identical at all MHC loci are known as  
(A) Allograft (B) Autograft  
(C) Isograft (D) Xenograft
67. How many types of immunoglobulins we have ?  
(A) 4 (B) 3  
(C) 5 (D) 2
68. Important parameters of serological tests are  
(A) Specificity and sensitivity (B) Simplicity  
(C) Complexity (D) Affinity and avidity
69. Advantage of killed vaccines are :  
(A) Safe and stable  
(B) Can be given in combination as polyvalent vaccine  
(C) No danger of spread of organism from vaccine to contact  
(D) All of the above
70. Which stain is used to detect bacteria ?  
(A) Gram stain (B) Leishman stain  
(C) Gimstin stain (D) H & E stain
71. ZN (Ziehl - Neelsen's) stain detects  
(A) Pneumococci (B) Meningococci  
(C) Streptococci (D) Mycobacterium Tubercule
72. What are the methods to grow micro organism in a culture medium.  
(A) Urease test (B) Oxidase test  
(C) Catalase test (D) All of the above



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69. Staphylococcus is a  
☒ (A) gram positive cocci ☐ (B) gram negative cocci  
☐ (C) gram positive bacilli ☐ (D) gram negative bacilli
70. Clostridium welchi is responsible for  
☐ (A) Tuberculosis ☐ (B) Pneumonia  
☒ (C) Gas Gangrene ☐ (D) Pancreatitis
71. Typhoid fever can be caused by  
☐ (A) Entamoeba histolytica ☐ (B) Mycobacteria  
☐ (C) Streptococcus ☒ (D) Salmonella
72. VDRL test is performed for  
☐ (A) Typhoid ☐ (B) AIDS  
☐ (C) Hepatitis ☒ (D) Syphilis
73. "Coma" shaped appearance is a characteristic of  
☐ (A) Pneumococci ☐ (B) Klebsella  
☐ (C) Meningococci ☒ (D) Vibrio
74. Actinomyces and Nocardia are  
☐ (A) Gram positive fungi ☒ (B) Gram positive bacteria  
☐ (C) Gram negative fungi ☐ (D) Gram positive viruses
75. Mucormycosis is a disorder caused by  
☐ (A) Bacteria ☐ (B) Virus  
☒ (C) Fungus ☐ (D) Chlamidia
76. Which of the following match is wrong with respect to the Departments and its wing of Surat Municipal Corporation ?  
☒ (A) Engineering → Environment Cell ☒ (B) Health → Solid Waste Management  
☐ (C) Social Welfare → Professional Tax ☐ (D) Support → Election and Census
77. "Disaster Resilient Smart Cities Award" was offered to SMC on December-2019 by which Institute ?  
☐ (A) Gujarat University ☐ (B) Gujarat Technological University  
☐ (C) Banaras Hindu University ☒ (D) Jawaharlal Nehru University

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78. Which of the following is not located in Surat ?  
 (A) Sardar Patel Smriti Bhavan (B) Gandhi Smriti Bhavan  
 (C) Sanjivkumar Auditorium (D) Rajendrakumar Auditorium
79. Which of the following is accommodated in the logo of Surat Municipal Corporation?  
 (A) Aum (B) Swastik  
 (C) Star (D) Trishul
80. Who is the present Deputy Mayor of Surat Municipal Corporation?  
 (A) Dineshbhai Jodhani (B) Pareshbhai Rameshchandra Patel  
 (C) Dr. S.S. Das (D) Mrs. Gitaben Jitendrabhai Solanki
81. Which of the following Committee is not a part of List of Committees of Surat Municipal Corporation?  
 (A) Law Committee (B) Jury Committee  
 (C) Water Committee (D) PWD Committee
82. Total estimated budget of Surat Municipal Corporation as per Draft budget 2021-22 is \_\_\_\_\_  
 (A) Rupees 650 Crore (B) Rupees 6534 Crore  
 (C) Rupees 3564 Crore (D) Rupees 950 Crore
83. "Surat Sudharai Sthapna Divas" is celebrated on which day?  
 (A) 1<sup>st</sup> May (B) 5<sup>th</sup> May  
 (C) 15<sup>th</sup> May (D) 25<sup>th</sup> May
84. What is the Sex Ratio of Surat?  
 (A) 756/1000 Male (B) 576/1000 Male  
 (C) 790/1000 Male (D) 930/1000 Male
85. Suppose a citizen of Surat wants to obtain services of an Electrician, which of the mobile App will be useful to him?  
 (A) Citizen's Connect - SMC Mobile App  
 (B) Surat Smart City Mobile App  
 (C) Surat Citilink Mobile App  
 (D) SAFAL Mobile App



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86. Who is the new Chief Secretary?  
 (A) J. N. Singh (B) Pankaj Kumar  
 (C) P. K. Laheri (D) G. K. Subharan
87. Who is the new Chief Justice in Gujarat High Court?  
 (A) Hon J. M. Shah (B) Hon A. J. Dave  
 (C) Hon Aravind Kumar (D) Hon Sangita Vasani
88. Who has won 5<sup>th</sup> Gold Medal in Para Olympic at Tokyo ?  
 (A) u - Man - Kai (B) Krishna Nagar  
 (C) Sumit Antil (D) None of the above
89. Who is the Chief Minister of Gujarat?  
 (A) Vijay Rupani (B) Narendrabhai Modi  
 (C) Bupendrabhai Patel (D) Nitin Patel
90. Recently how many Justices are appointed in Supreme Court? which is record  
 (A) 7 (B) 9  
 (C) 8 (D) 3
91. Who has not won Ramon Magsaysay Award from following four Indians?  
 (A) Arvind Kejriwal (B) Kiran Bedi  
 (C) R. K. Laxman (D) Atal Bihari Vajpai
92. Who is appointed new Speaker of Gujarat Assembly ?  
 (A) Dhirubhai Shah (B) Nimaben Acharya  
 (C) Kundanlal Dholakia (D) Vajubhai Vala
93. Who has launched E-Gopala Application's web IMAP web Portal?  
 (A) N.D.D.B. (B) Central Govt.  
 (C) Gujarat State Govt. (D) None of above
94. Who has constricted "Adalaj Vav"?  
 (A) Queen Laxmibai (B) Queen Rudabai  
 (C) Minaldevi (D) L. K. Advani

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95. Which city is called Sanskar Nagari in Gujarat?  
 (A) Ahmedabad (B) Surat  
 (C) Baroda (D) Rajkot
96. Where is Head Quarter of N.D.D.B. in Gujarat?  
 (A) Baroda (B) Ahmedabad  
 (C) Bharuch (D) Anand
97. Which district of Gujarat is attached with Madhya Pradesh & Rajasthan?  
 (A) Dahod (B) Surat  
 (C) Sabarkantha (D) Baroda
98. Which Muslim King born in Gujarat?  
 (A) Babar (B) Akbar  
 (C) Aurangzeb (D) Jahangir
99. In Gujarat, where is Potato research centre ?  
 (A) Ahmedabad (B) Deesa  
 (C) Baroda (D) Tapi
100. Who established "Jyotisingh" for welfare of women ?  
 (A) Haren Bhatt (B) Vinodini Nilkanth  
 (C) Minaldevi (D) Mrudulaben Sarabhai
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