077/2018

1. Identify a Renal function test from the following tests.
   - (A) Blood sugar
   - (B) Serum bilirubin
   - (C) Blood urea
   - (D) Total cholesterol

2. The accurate method for estimation of haemoglobin is
   - (A) Sahlis method
   - (B) Cyanmeth haemoglobin method
   - (C) Spencer method
   - (D) Dare method

3. Solidifying agent used for preparation of solid culture media is
   - (A) DPX
   - (B) Meat extract
   - (C) Agr
   - (D) Peptone

4. Post-Prandial Blood Sugar (PPBS) sample is taken
   - (A) 2 hr after intake of food
   - (B) ½ hr after intake of food
   - (C) after 12 hrs of fasting
   - (D) at anytime after intake of food

5. Round shaped bacterias are called
   - (A) Bacilli
   - (B) Vibrios
   - (C) Actinomycetes
   - (D) cocci

6. Normal value of bleeding time by Dukes method is
   - (A) 3-8 minutes
   - (B) 2-6 minutes
   - (C) 3-8 seconds
   - (D) 2-6 seconds

7. Size of a normal red blood cell is
   - (A) 10-15 micro metre
   - (B) 15-20 micro metre
   - (C) 6-8 micro metre
   - (D) None of these

8. The dilution that can be made using an RBC pipette is
   - (A) 1/200
   - (B) 1/10
   - (C) 1/50
   - (D) 1/20

9. Major plasma protein is
   - (A) Globulin
   - (B) Albumin
   - (C) Bence Jones Protein
   - (D) Fibrinogen

10. Leucocytosis is seen in
    - (A) Systemic lupus erythematosis
    - (B) Rheumatoid arthritis
    - (C) Leukemia
    - (D) Aplastic anaemia

11. Which blood group is known as "Universal Donor" ?
    - (A) O group
    - (B) A group
    - (C) B group
    - (D) AB group

12. Staining method used in cytology is
    - (A) Haematoxylin and eosin staining
    - (B) Negative staining
    - (C) Leishman's staining
    - (D) Papanicoloau staining

13. Temperature used for storing blood in a blood blank refrigerator is
    - (A) 4-6 °C
    - (B) 8-10 °C
    - (C) 10-12 °C
    - (D) 0-1 °C

14. Which of the following step is not included in tissue processing ?
    - (A) Dehydration
    - (B) Fixation
    - (C) Oxidation
    - (D) Clearing

15. Length of an ideal blood smear is
    - (A) 1-2 cm
    - (B) 5-6 cm
    - (C) 6-7 cm
    - (D) 3-4 cm

16. Gmelin's test is used for detecting which of the following compound in urine ?
    - (A) Sugar
    - (B) Ketone bodies
    - (C) Bile salts
    - (D) Bile pigment

17. VDRL test is used for detecting which of the following disease ?
    - (A) Rabies
    - (B) Syphilis
    - (C) Typhoid
    - (D) Weils disease

18. Normal platelet count is
    (A) 1.5-4.5 lakhs/mm^3 of blood
    (B) 50,000-1 lakhs/mm^3 of blood
    (C) 5000-11000 cells/mm^3 of blood
    (D) 5-6 lakhs/mm^3 of blood

19. Which of the following compound is a normal constituent of urine ?
    (A) Sugar
    (B) Bile salt
    (C) Urea
    (D) Ketone bodies

20. Colour code used for EDTA anticoagulant bottles
    (A) Green
    (B) Grey
    (C) Purple
    (D) Red

21. Commonly used fixative in histopathology is
    (A) Alcohol
    (B) Carnoys fixative
    (C) Alcohol-ether mixture
    (D) 10% formalin

22. In Leishman's staining fixation is done by
    (A) Eosin
    (B) Methyl alcohol
    (C) Distilled water
    (D) Acetone

23. Which of the following test is included in IMViC Reaction test ?
    (A) Nitrate test
    (B) Citrate test
    (C) Coagulase test
    (D) Catalase test

24. Which of the following anticoagulant is also known as Versene ?
    (A) Heparin
    (B) Double oxalate
    (C) ACD
    (D) EDTA

25. Volume of ACD solution used to collect 100 ml of blood is
    (A) 16 ml
    (B) 30 ml
    (C) 28 ml
    (D) 5 ml

26. Automatic tissue processing machine is called

    (A) Microtome

    (C) Cryostat

    (B) Histokinete

    (D) Coulter counter

27. Which white blood cell shows fine violet coloured granules after Leishman's staining ?

    (A) Neutrophils

    (C) Lymphocytes

    (B) Eosinophils

    (D) Monocyte

28. Meliturea refers to the presence of

    (A) Sugar in urine

    (C) Blood in urine

    (B) Protein in urine

    (D) Ketone bodies in urine

29. Cob-web appearance of CSF is seen in

    (A) Syphilis

    (C) Malaria

    (B) Tubercular meningitis

    (D) Hepatitis

30. Hyponatremia is the term used to denote

    (A) low potassium level in blood

    (C) low calcium level in blood

    (B) low sodium level in blood

    (D) low bicarbonate level in blood

31. Method used for the estimation of total protein in blood is

    (A) GOD-POD method

    (C) Biuret method

    (B) CHOD-PAP method

    (D) Jaffe method

32. The test used to detect CSF protein is

    (A) Hay's test

    (C) Pandy's test

    (B) Smith's test

    (D) Hart's test

33. Area of an improved Neubauer counting chamber is

    (A) 3 mm^2

    (C) 4 mm^2

    (B) 6 mm^2

    (D) 9 mm^2

34. Autoclave is an example of which of the following method of sterilization ?

    (A) Moist heat method   (B) Dry heat method

    (C) Filtration method   (D) Radiation method

35. Erythropoiesis is the development of

    (A) Red blood cells   (B) Granulocytes

    (C) Agranulocytes   (D) Platelets

36. Colony colour of lactose fermenting bacteria on MacConkey agar

    (A) Colourless   (B) Pink

    (C) Green   (D) Black

37. Father of Microbiology is

    (A) Robert Koch   (B) Joseph Lister

    (C) Edward Jenner   (D) Louis Pasteur

38. Van den Bergh reaction is used for estimation of

    (A) Total protein   (B) Serum creatinine

    (C) Serum Bilirubin   (D) Serum uric acid

39. Which of the following is a natural anticoagulant ?

    (A) EDTA   (B) Double oxalate

    (C) ACD   (D) Heparin

40. Ideal time for collecting blood sample for detection of filarial worm is

    (A) 2 pm – 4 pm   (B) 10 pm – 2 am

    (C) 6 am – 8 am   (D) 10 am – 2 pm

41. Which of the following is an example of an enrichment media ?

    (A) MacConkey agar   (B) Nutrient Agar

    (C) Peptone water   (D) Selenite F broth

42. Name the parasite causing Malaria.

    (A) *Plasmodium vivax*   (B) *Wuchereria bancrofti*

    (C) *Brugia malayi*   (D) *Leishmania donovani*

B   7

43. Which of the following antibody can cross the placenta ?

(A) Ig M

(B) Ig E

(C) Ig A

(D) Ig G

44. Which of the following is a RBC diluting fluid ?

(A) Hinglemann's fluid

(B) Tuerk's fluid

(C) Dacies fluid

(D) Rees – Ecker solution

45. Bacteria which require oxygen for their growth is

(A) Aerobic bacteria

(B) Carboxyphilic bacteria

(C) Anaerobic bacteria

(D) Obligate anaerobes

46. Who discovered ABO blood group system ?

(A) Weiner

(B) Karl Landsteiner

(C) William Harvey

(D) Denis

47. Which of the following is not a Romanowsky stain ?

(A) Leishman's stain

(B) Geimsa stain

(C) Jenner stain

(D) Crystal violet

48. The cell present in normal CSF (cerebrospinal fluid)

(A) Plasma cell

(B) Neutrophils

(C) Lymphocytes

(D) Monocytes

49. Staining method used for detecting Mycobacterium tuberculosis is

(A) Leishman's staining

(B) Zeihl-Neelsen's staining

(C) Simple staining

(D) Gram's staining

50. Urinometer is used to measure which of the following property of Urine ?

(A) Reaction

(B) Transparency

(C) Volume

(D) Specific gravity

51. The property by which a body opposes the change in rotatory motion of a body about an axis
    (A) Angular momentum   (B) Torque
    (C) Inertia   (D) Moment of inertia

52. Zero degree Celsius is equal to _____ degree Fahrenheit.
    (A) 28   (B) 32
    (C) 38   (D) 42

53. Sound waves travel faster through
    (A) Solid   (B) Liquid
    (C) Gas   (D) Vacuum

54. Light can pass along the optical fibre by mechanism
    (A) Refraction   (B) Interference
    (C) Total internal reflection   (D) Diffraction

55. Heat radiations lies in the
    (A) Microwave region   (B) Ultraviolet region
    (C) Infra-red region   (D) Visible region

56. Laws of electromagnetic induction was developed by
    (A) Einstein   (B) Faraday
    (C) Newton   (D) Heisenberg

57. No magnetic flux lines passes through
    (A) Ferromagnetic material   (B) Paramagnetic material
    (C) Ferri magnetic material   (D) Dia magnetic material

58. Lens used to correct short sight of an eye
    (A) Plane glass   (B) Cylindrical lens
    (C) Convex lens   (D) Concave lens

59. Among basic forces exist in nature the weakest is
    (A) Gravitational force   (B) Electromagnetic force
    (C) Strong nuclear force   (D) Nuclear weak force

60. Unit of power is
    (A) Watt   (B) Joule
    (C) Kilowatt hour   (D) Newton

61. According to V.S.E.P.R. theory the shape of PCl_4^- molecule is
    (A) Trigonal bipyramidal   (B) Tetrahedral
    (C) Seesaw   (D) Square planar

62. One method to remove temporary hardness is
    (A) Using washing soda   (B) By Calgon process
    (C) Clark's method   (D) Permutit method

63. The group of elements which does not belong to Dobereiner triads is
    (A) (Li, Na, K)   (B) (C, Si, Ge)
    (C) (P, As, Sb)   (D) (Cl, Br, I)

64. Name the crystal system in which all the sides and all the angles are different.
    (A) Orthorhombic   (B) Monoclinic
    (C) Triclinic   (D) Hexagonal

65. Artificial graphite is prepared by
    (A) Acheson's process   (B) Deacon's process
    (C) Dow's process   (D) Hall – Herault's process

66. Kaolinite is the ore of
    (A) Copper   (B) Iron
    (C) Aluminium   (D) Zinc

67. An electron transits from 7th orbit to 3rd orbit of Li^{2+} ion. The spectrum will occur in
    (A) U-V region   (B) Visible region
    (C) Far Infra-red region   (D) Near Infra-red region

68. Among the following which is not an interhalogen compound ?
    (A) ClF_3 (B) BrF_5
    (C) ICl_3 (D) FBr_3

69. Two electrons in the same atomic orbital is distinguished by their
    (A) Principal quantum number   (B) Azimuthal quantum number
    (C) Magnetic quantum number   (D) Spin quantum number

70. Which of the following species have minimum size ?
    (A) O^{2-} (B) Mg^{2+}
    (C) F^- (D) Al^{3+}

71. Excretory organ in insects is
    (A) Green gland
    (C) Nephrida
    (B) Malpigian tubules
    (D) Protonephrida

72. Identify the 5 Carbon compound
    (A) CO_2
    (C) RUBP
    (B) NADPH
    (D) PEP

73. Canary grass experiment related hormone
    (A) Auxin
    (C) ABA
    (B) Gibberellin
    (D) Ethylene

74. Joint between Atlas and Axis
    (A) Pivot joint
    (C) Ball and Socket joint
    (B) Hing joint
    (D) Hinge joint

75. Downs Syndrome is related to
    (A) Nullisomy
    (C) Trisomy
    (B) Monosomy
    (D) Tetrasomy

76. Biological glue is
    (A) Ligase
    (C) DNA polymerates
    (B) Restriction
    (D) Permeate

77. Other than Green house gas
    (A) CO_2
    (C) NO_2
    (B) CH_4
    (D) NH_4

78. Basic unit of classification is
    (A) Family
    (C) Species
    (B) Genes
    (D) Order

79. Large empty cells found in the adaxial epidermis in grasses
    (A) Lerticel
    (C) Subsidiary cell
    (B) Bulliform cell
    (D) Mesophyll cell

80. Diabetes insipidus is caused due to
    (A) Deficiency of insulin
    (C) Hyposecretion of ADH
    (B) Excess of insulin
    (D) Hypersecretion of ADH

81. The main chemicals in air pollution that causes acid rain
   - (A) Sulphur dioxide and Nitrogen
   - (B) Sulphur dioxide and Oxygen
   - (C) Carbon dioxide and Sulphur
   - (D) Nitrogen and Carbon dioxide

82. Percentage of alluvial soil in India
   - (A) 18.5%
   - (B) 15%
   - (C) 28%
   - (D) 43%

83. The food for work programme was later renamed as
   - (A) IRY
   - (B) IRDP
   - (C) NREP
   - (D) RLEGP

84. The Chairman of the committee on innovation and entrepreneurship setup by NITI Aayog
   - (A) Swathi Piramal
   - (B) Rajive Bajaj
   - (C) Vishal Shika
   - (D) Tarun Khanna

85. The river that originates in the Anaimudi Hills, flowing to Tamil Nadu
   - (A) Bhavani
   - (B) Pambar
   - (C) Khabani
   - (D) Chaliar

86. 'Poorna Swaraj' declared by Indian National Congress at
   - (A) Lahore Session
   - (B) Lucknow Session
   - (C) Bombay Session
   - (D) Allahabad Session

87. An organisation formed by Vagbhadanantha to fight against caste system and idol worship
   - (A) Samatva Samajam
   - (B) Athmavidya Sangam
   - (C) Sadhujana Paripalana Sangam
   - (D) Athmabhimana Prasthanam

88. The organisation established by Abdul Khader Moulavi for the social upliftment of Muslim society in Kerala
   - (A) Muslim Education Society
   - (B) Jamiyyathul Ulama
   - (C) Kerala Mujahideen
   - (D) Travancore Muslim Mahasabha

89. The priest who introduced the idea of "One school for one Church" (oru pallik oru Pallikkodam) in the Kerala Sabha 1864

    (A) Aagustinose Thevarparambil

    (B) Mariyam Theresa Chiramel

    (C) Blessed Kuriakos Elias Chavara

    (D) Devasahayam Pillai

90. Name the combined operation of Navy, Army and Airforce to rescue the Okhi victims

    (A) Operation Synergy

    (B) Operation Chain protection

    (C) Operation Flying Eagle

    (D) Operation Seashore

91. The play of V.T. Bhattathiripad which brought about revolutionary changes in the Brahmin society

    (A) Athma Vidya Kahalam

    (B) Sarasayya

    (C) Akilathirut

    (D) Adukkalayil ninnu Arangathekku

92. K.P. Ramanunni bagged 'The Kendra Sahitya Academy' for his work

    (A) Agraharathile Poocha   (B) Arachar

    (C) Daivathinte Pustakam   (D) Sufi Paranja Katha

93. Name the satellite, which launched by ISRO as its 100th satellite from Satheesh Dhawan Space Centre, Sreeharikotta on 12th January, 2018

    (A) IRNSS – 1H   (B) Cartosat 2C

    (C) GSAT – 117   (D) PSLV – C40

94. Parent department of National Disaster Management Authority (India) abbreviated NDMA

    (A) Ministry of Defence   (B) Ministry of Agriculture

    (C) Ministry of Home Affairs   (D) Ministry of Public Grievances

95. Panchayath Raj System of local self-government is incorporated in

   (A) The Directive Principles of the State Policy

   (B) The Fundamental Rights

   (C) National Development Council

   (D) A plan for Economic and Rural Development in India

96. 'International Migration Day' by United Nations Department of Economic and Social Affairs observed on

   (A) December 28

   (B) December 18

   (C) December 6

   (D) December 16

97. Name of the Capital city, through which the equator passes

   (A) Kinshesa

   (B) Nairobi

   (C) Quito

   (D) Bogota

98. Author of the work 'The Other Side of Silence', which deals with the atrocities during the partition of India.

   (A) Rajendar Singh Bedi

   (B) Urvasi Butalia

   (C) Bhishma Sahni

   (D) Amitav Ghosh

99. The reformer who organised "Kallumala Prakshobam" movement against the restriction of using ornaments by the untouchables

   (A) Ayyankali

   (B) Ayya Vaikunda Swamikal

   (C) Chattambi Swamikal

   (D) Sree Narayana Guru

100. The place known as "The Gateway to Kerala"

   (A) Wayanad

   (B) Palakkad

   (C) Cochin

   (D) Tiruvananthapuram