

1. Which river in Kerala mentioned in Kautilya's "Arthashastra" ?

- (A) Pampa
- (B) Bharathappuzha
- (C) Achan kovilar
- (D) Periyar

2. The first newspaper in Malayalam "Rajyasamacharam" begin in

- (A) Thalassery
- (B) Kozhikode
- (C) Thiruvananthapuram
- (D) Kannur

3. The author of Sanskrit work "Mukundamala" is

- (A) Rajashekara varma
- (B) Kulasekhara Alwar
- (C) Sthanu Ravi
- (D) Raja Simhan

4. Name the social reformer held "Kannadi prathishta" first in South India

- (A) Sree Narayana Guru
- (B) Chattampi Swamiakal
- (C) Vaikunda Swamikal
- (D) Jyotirao Phule

5. Who is the first tarriance in Rashtrapathi Bhawan ?

- (A) Lord Curzon
- (B) Lord Mount Batten
- (C) Dr. Rajendra Prasad
- (D) Lord Irwin

6. The first child friendly police station in Kerala is

- (A) Chirayinkeezhu
- (B) Ettumannur
- (C) Kadavanthra
- (D) Harippad

7. Name the first editor of the Newspaper Mathrubhumi is

- (A) K.P .Kesava Menon
- (B) P.Ramunni Menon
- (C) K. Kelappan
- (D) C.H . Kunhappa

8. Among the following, who is not related to Malayalee Memorial ?

- (A) C.V. Raman Pillai
- (B) Dr. Palpu
- (C) G.P. Pillai
- (D) K.P.Sankara Menon

9. Who is the first women Judge in the High Court of India ?

- (A) Fathima Beevi
- (B) Anna Chandi
- (C) Akkamma Cherian
- (D) Annie Mascreeen

10. Wagon Tragedy is in

- (A) 1921 October, 10
- (B) 1921 August, 20
- (C) 1921 November, 12
- (D) 1921 November, 10 A 3

11. Who is the minister of Local Self Government in the first E.M.S Ministry 1957 ?

- (A) P. K. Chathan Master
- (B) K. R. GouriAmma
- (C) T. V. Thomas
- (D) C. Achutha Menon

12. The autobiography 'Jeevithapatha' is

- (A) Joseph Mundassery
- (B) Sachidanandan
- (C) Cherukad
- (D) Thakazhi

13. The magazine 'Keli' is related to

- (A) Kerala Sahithya Acadamy
- (B) Kerala Sahithya Pravarthaka Sahakarana Sangham

- (C) Kerala Sangeetha Nataka Academy
- (D) Kerala Lalithakala Academy

14. The Head Quarter of State Film Development Corporation.

- (A) Thiruvananthapuram
- (B) Eranakulam
- (C) Kozhikode
- (D) Kochi

15. Into how many parts, the Constitution of India has been divided ?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

16. In which item P.U Chithra won the Gold medal in 2017 Asian Athletics Championship in Bhubaneshwar

- (A) 800 m race
- (B) 5000 m race
- (C) 100 m race
- (D) 1500 m race

17. A Constitutional bench of Supreme Court consists of

- (A) 7 Judges

- (B) 5 Judges
- (C) 6 Judges
- (D) 4 Judges

18. The oldest Newspaper in Malayalam is

- (A) Kerala Kaumudi
- (B) Malayala Manoram
- (C) Mathrubhumi
- (D) Deepika

19. World Blood Donor Day is

- (A) June 12
- (B) July 14
- (C) June 14
- (D) June 20

20. Name the Malayalee who addressed the presidential speech at Amaravathi session of INC held in 1897.

- (A) John Mathai
- (B) Sir C. Sankaran Nair
- (C) Mannath Padmanabhan
- (D) E.M.S.

21. The resolution of an Electron microscope is expressed in

- (A) Millimeters
- (B) Micrometers
- (C) Nanometers

- (D) Centimeters

22. Which of the following is not a flammable chemical ?

- (A) Ether
- (B) Xylol
- (C) Alcohol
- (D) H₂O₂

23. Which of the following is not a carcinogen

- (A) O-toludene
- (B) Picric acid
- (C) Selenite
- (D) β naphthyl amine

24. The temperature required for many of the clinical investigations to be done in a laboratory incubator in degree Celsius is

- (A) 22
- (B) 42
- (C) 56
- (D) 37

25. Which of the following not comes under moist heat sterilization ?

- (A) Hot air oven
- (B) Autoclave
- (C) Pasteurization

▶ (D) Tyndalisation

26. Disposable plastics are sterilized by

- (A) Alcohol
- (B) Ethylene oxide
- (C) Gluteraldehyde
- (D) Chlorine

27. A normal solution contains

- (A) Gram equivalent weight per litre
- (B) Molecular weight of solute in grams per litre
- (C) Weight per unit volume
- (D) None of the above

28. Average urine output of an adult per day

- (A) 30 – 60 ml
- (B) 500 – 600 ml
- (C) 800 – 1400 ml
- (D) 1000 – 2000 ml

29. Which of the following is not found in normal urine ?

- (A) Creatinine
- (B) Uric acid
- (C) RBC
- (D) Glucose

30. Which one of the following is used to test ketone bodies ?

- (A) Rothera's test
- (B) Diazo test
- (C) Benzedene test
- (D) Ehrlich's test

31. Normal VMA level is

- (A) Upto 9 mg/24 hour
- (B) 8 – 18 mg/ 24 hour
- (C) 0.2 – 0.5 gm/24 hour urine
- (D) 100 – 250 mg/24 hour

32. Normal GFR rate is

- (A) 500 – 800 ml/unit
- (B) 1000 – 1500 ml/unit
- (C) 100 – 130 ml/unit
- (D) None of the above

33. Bloody stool with pus and mucous seen in the following condition except

- (A) Ulcerative colitis
- (B) Mucous colitis
- (C) Bacilliary dysentery
- (D) Carcinoma of colon

34. In Amoebiasis, the cyst of Entamoeba histolytica identified from

- (A) Liver abscess
- (B) Stool
- (C) Lung abscess
- (D) All the above

35. Which of the following parasite has no cystic stage ?

- (A) Giardia lamblia
- (B) Balantidium coli
- (C) Trichomonas vaginalis
- (D) E. histolytica

36. Multiple ring forms are seen in which type of malaria ?

- (A) Plasmodium malariae
- (B) Plasmodium vivax
- (C) Plasmodium falciparum
- (D) Plasmodium ovale

37. LD bodies are seen in the Reticulo endothelial system of

- (A) Human
- (B) Rudevid bug
- (C) Tsetse fly
- (D) Sand fly

38. Which of the following parasitic ova is not bile stained ?

- (A) Ascaris lumbricoides
- (B) Ancylostoma duodenale
- (C) Trichuris trichura
- (D) Tinea saginata

39. The causative agent of "Cola-

bar swelling"

- (A) W. bancrofti
- (B) Brugia malayi
- (C) Loa loa
- (D) Oncocercus volvulus

40. Night blood sample is collected for the diagnosis of

- (A) Malaria
- (B) Filaria
- (C) Trypanosoma
- (D) Leishmania

41. Casoni's test is used for the diagnosis of

- (A) Hydatid disease
- (B) Leishmaniasis
- (C) Malaria
- (D) Filaria

42. Which one of the parasitic ova seen in urine ?

- (A) Schistosoma haematobium
- (B) Fasciola hepatica
- (C) Paragonimus westermani
- (D) Clonorchis sinensis

43. The ratio of anti-coagulant and blood used for ESR test is

- (A) 1 : 2
- (B) 1 : 4
- (C) 1 : 8
- (D) 1 : 16

44. Normal value of haemoglobin for an adult

- (A) 4 – 6 gm%
- (B) 6 – 8 gm%
- (C) 8 – 10 gm%
- (D) 12 – 15 gm%

45. Normal platelet count is

- (A) 4 – 5 million/cmm
- (B) 4000 – 11000/cmm
- (C) 1.5 – 3.5 lakhs/cmm
- (D) 200/cmm

46. Glass wares containing organic matter are treated with

- (A) 5% HCl
- (B) 2% detergent
- (C) 2% phenol
- (D) Potassium dichromate

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

- (A) Leishman stain
- (B) Wright stain
- (C) Giemsa stain
- (D) Grams stain

48. The main site of haemopoiesis takes place in

- (A) Liver
- (B) Spleen
- (C) Bone marrow
- (D) Lymphoid tissue

49. Which of the following condition, the RBCs are microcytic & hypochromic

- (A) Pernicious anaemia
- (B) Haemolytic anaemia
- (C) Iron deficiency anaemia
- (D) Megaloblastic anaemia

50. Eosinophilia seen in

- (A) Allergic conditions
- (B) Parasitic infections
- (C) Hodgkin's lymphoma
- (D) All the above

51. LE cells are not seen in the following condition :

- (A) Infectious mononucleosis
- (B) Systemic lupus erythematosus
- (C) Rheumatoid arthritis
- (D) Collagen disorders

52. Which of the following condition shows Bence-Jones protein in urine ?

- (A) Acute myeloid Leukemia
- (B) Malignant lymphoma
- (C) Multiple myeloma

(D) Chronic myeloid Leukemia

53. APTT increased in the following condition :

- (A) Haemophilia
- (B) Vitamin K deficiency
- (C) Liver diseases
- (D) All the above

54. ABO grouping discovered by

- (A) Robert Koch
- (B) Karl Landsteiner
- (C) Paul Ehrlich
- (D) Antony Van Levenhoek

55. In a blood bank CPD anti-coagulated blood can be stored at 2 – 8 degree celcius for

- (A) 2 days
- (B) 14 days
- (C) 28 days
- (D) 45 days

56. CSF protein fractions are evaluated by

- (A) Colloidal gold test
- (B) Pandy's test
- (C) Rose Jone's test
- (D) Protein electrophoresis

57. In pregnancy, the peak level of HCG in urine seen at

- (A) 4 weeks of gestation
- (B) 6 weeks of gestation
- (C) 10 weeks of gestation
- (D) 14 weeks of gestation

58. Cushing syndrome is due to

- (A) excess production of thyroid hormone
- (B) excess production of Glucocorticoides
- (C) excess production of FSH
- (D) excess production of growth hormone

59. In obstructive jaundice, which of the following serum enzyme level elevated

- (A) SGOT
- (B) SGPT
- (C) ALP
- (D) All the above

60. Normal fasting blood glucose level is

- (A) 50 – 80 mg/dl
- (B) 70 – 110 mg/dl
- (C) 120 – 160 mg/dl
- (D) 180 – 220 mg/dl

61. Serum uric acid level increased in

- (A) Gout
- (B) Renal fallure
- (C) Addison's disease
- (D) Rickets

62. Which of the following elevated enzyme level is not a marker of myocardial infarction ?

- (A) SGOT
- (B) SGPT
- (C) LDH
- (D) Creatine kinase

63. Increased level of PCO₂ seen in

- (A) Hypoxia
- (B) Obstructive lung disease
- (C) Polycythemia
- (D) Anaemia

64. TORCH infections are best analysed by

- (A) Capture ELISA
- (B) Competitive ELISA
- (C) Immuno capture ELISA
- (D) Streptavidin-Biotin ELISA

65. The best diagnostic assay for infections and autoimmune disease parameters by

- (A) EIA

- (B) RIA
- (C) Fluorescence immuno assay
- (D) Chemiluminescence assay

66. Which of the following steps are included in a PCR cycle ?

- (A) Denaturation
- (B) Annealing
- (C) Extension
- (D) All the above

67. Which of the following serological test is specific test for Syphilis ?

- (A) TPHA
- (B) RPR
- (C) TRUST
- (D) VDRL

68. WIDAL test is for the serological diagnosis of

- (A) Enteric fever
- (B) Typhoid fever
- (C) Para typhoid fever
- (D) Brucellosis

69. The vector which transmit Dengue fever

- (A) Culex mosquito
- (B) Anophilus mosquito
- (C) Aedes mosquito
- (D) Mansonia mosquito

70. Which of the following is not a rapid diagnostic test ?

- (A) Dengue check WB
- (B) Leptockeck WB
- (C) PARA MAX-3
- (D) Brucel-RB

71. Significant titre of ASO test by latex agglutination is

- (A) >200 IU/ml
- (B) <200 IU/ml
- (C) >10 IU/ml
- (D) <10 IU/ml

72. Route of transmission of Hepatitis A virus is by

- (A) Contaminated food and water
- (B) Blood transfusion
- (C) Sexual contact
- (D) Air

73. Opportunistic infections associated with AIDS includes

- (A) Candidiasis
- (B) Cryptococcosis
- (C) Cryptosporidiosis
- (D) All the above

74. Which of the following fixative contains picric acid ?

- (A) Bouin's fluid
- (B) Carnoy's fluid
- (C) Zenker's fluid
- (D) Lugol's solution

75. Frozen sections are obtained from

- (A) Histokinate
- (B) Cryostat
- (C) Microtome
- (D) None of the above

76. The stain used to detect glycogen by

- (A) Masson Fontana stain
- (B) Mucicarmine
- (C) PAS
- (D) H and E stain

77. The most common staining technique used in cytology is

- (A) Giemsa stain
- (B) Papani colaou stain
- (C) H and E stain
- (D) Shorr's stain

78. Tubercle bacillae identified by

- (A) Robert Koch
- (B) Louis Pasteur
- (C) Edward Jenner
- (D) Joseph Lister

79. Ziehl - Neelsen stain is used for demonstration of

- (A) Streptococci
- (B) Anthrax Bacilli
- (C) Mycobacteria
- (D) Spirochaetes

80. Triple sugar iron agar contains

- (A) Glucose, Maltose, Sucrose
- (B) Glucose, Mannitol, Sucrose
- (C) Glucose, Lactose, Sucrose
- (D) Glucose, Lactose, Maltose

81. Blood agar is

- (A) Enriched media
- (B) Enrichment media
- (C) Selective media
- (D) Differential media

82. RCM is used for the primary cultivation of

- (A) Tubercle bacilli
- (B) Clostridium Perfringens
- (C) Vibrio cholerae
- (D) Haemophilus

83. Which of the following sensitivity test is used to diagnose Group A Streptococci isolate

- (A) Novobiosin
- (B) Optochin
- (C) Bacitracin
- (D) Polymixin

84. Elek's test is used for the invitro toxigenicity of

- (A) Coryne bacteria diphtheriae
- (B) Haemophilus influenzae
- (C) Group B Streptococcus
- (D) Clostridium Perfringens

85. Which of the following bacteria shows swarming growth ?

- (A) Salmonella
- (B) Shigella
- (C) Pesudomonas
- (D) Proteus

86. Example of dimorphic fungi

- (A) Cryptococcus neoformans
- (B) Histoplasma Capsulatum
- (C) Candida albicans
- (D) Nocardia

87. Mantoux test is for the diagnosis of

- (A) Tuberculosis
- (B) Diphtheria
- (C) Echinococcus
- (D) Toxoplasma

88. Negative staining is used for the demonstration of

- (A) Capsule
- (B) Flagella
- (C) Cell wall
- (D) None of the above

89. The basic principle behind spectrophotometer is

- (A) Beer's law
- (B) Lambert's law
- (C) Beer-Lambert law
- (D) None of the above

90. Which of the following Immunoglobulin can cross the placenta

- (A) IgG
- (B) IgM
- (C) IgA
- (D) IgE

91. Which of the following condition shows 48XXY chromosomes ?

- (A) Down syndrome
- (B) Turner's syndrome
- (C) Klinefelter's syndrome
- (D) All the above

92. Negri bodies are demonstrated for the diagnosis of

- (A) Hepatitis
- (B) HIV
- (C) Polio
- (D) Rabies

93. Electrophoretic separation of major protein is known as

- (A) Western blotting
- (B) Southern blotting
- (C) Northern blotting
- (D) None of the above

94. Which of the following is non-nucleic acid based diagnostic method ?

- (A) PCR
- (B) LCR
- (C) RFLP
- (D) GLC

95. Monoclonal antibodies are produced from

- (A) Myeloma cells
- (B) Lymphoma cells
- (C) Hybridoma cells
- (D) All the above

96. Which of the following is not an automated culture system ?

- (A) BACTEC
- (B) BaCT/ALERT
- (C) ESP system
- (D) Casteneda method

97. Osmotic fragility test is used for the diagnosis of

- (A) Sickle cell anaemia
- (B) Thalassemia
- (C) Spherocytosis
- (D) Megaloblastic anaemia

98. Haemolytic disease of newborn is due to

- (A) ABO incompatibility
- (B) Rh incompatibility
- (C) Leucocyte incompatibility
- (D) None of the above

99. Which of the following automated system is introduced recently ?

- (A) Continuous flow analyser
- (B) Discrete analyser
- (C) Centrifugal analyser
- (D) None of the above

100. Biuret method is used for determination of

- (A) Protein
- (B) Sugar
- (C) Urea
- (D) Cholesterol