

PSC Laboratory Technical Assistant / Medical Laboratory Technician - VHSE Examination Previous Year Question Paper

***Exam Name: Laboratory Technical Assistant /
Medical Laboratory Technician - VHSE***

Date of Test : 29.01.2015

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Medium of Questions: English



19/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Cell wall deficient bacteria has no definite shape. They are known as :
(A) Spirochaetes (B) Mycoplasma
(C) Actinomycetes (D) Spirilla
2. Creatine is a chemical compound which is synthesized in human :
(A) Liver (B) Muscle
(C) Stomach (D) Intestine
3. Graves disease is an Endocrine disorder caused by :
(A) Hyper thyroidism (B) Hypo thyroidism
(C) Hyper adrenalism (D) Hypo adrenalism
4. Black water fever is associated with the infection of :
(A) P. vivax (B) P. falciparum
(C) P. ovale (D) P. malariae
5. Select the serum cholesterol estimation method :
(A) Diacetyl monoxime method (B) Alkaline picrate method
(C) Biuret method (D) Liebermann-Burchard method
6. Study of Fungus :
(A) Mycology (B) Histology
(C) Immunology (D) Osteology
7. The following eggs are bile stained except :
(A) Ascaris lumbricoids (B) Taenia solium
(C) Trichuris trichura (D) Hook worm
8. Urine crystals showing envelop appearance :
(A) Uric acid (B) Triple phosphate
(C) Calcium oxalate (D) Cholesterol crystal

9. In which parasitic infection DEC Provocation test is used?
- (A) *Wuchereria bancrofti* (B) *Ascaris lumbricoids*
(C) *Entamoeba histolytica* (D) Tape worms
10. Use of Cryostat in histopathology :
- (A) Automatic tissue processor (B) Cutting bone tissue
(C) Cutting frozen tissue (D) Cutting fixed tissue
11. Type of Rh antibody :
- (A) IgM (B) IgG
(C) IgE (D) IgA
12. Under ideal conditions blood collected in CPD-A can be stored :
- (A) 14 days (B) 21 days
(C) 24 days (D) 35 days
13. Name of the instrument used to measure Sodium and Potassium :
- (A) Colorimeter (B) Spectrophotometer
(C) Flame photometer (D) Fluorimeter
14. Culture media for Fungus :
- (A) RCM (B) SDA
(C) LJ (D) PTA
15. The content of cryoprecipitate :
- (A) Factor XI (B) Factor VI
(C) Factor VIII (D) Factor IX
16. Who is known as Father of Bacteriology?
- (A) Louis Pasteur (B) Anton Von Leeuwenhock
(C) Christian Gram (D) Robert Koch
17. Anticoagulant used for blood sugar estimation :
- (A) Fluoride-oxlate mixture (B) EDTA
(C) Wintrob's mixture (D) Trisodium citrate

18. Routinely used histopathology fixative :
(A) 100% Formalin (B) 50% Formalin
(C) 40% Formalin (D) 10% Formalin
19. The blue hub of disposable needle indicate :
(A) 22 Gauge (B) 21 Gauge
(C) 23 Gauge (D) 26 Gauge
20. The following are biological hazards except :
(A) Anaemia (B) AIDS
(C) Hepatitis (D) Tuberculosis
21. ASO test is used to detect :
(A) Staphylococci (B) Micrococci
(C) Haemophilus (D) Streptococci
22. Find the MCH of a sample of blood having Hb 12 gm% and RBC count 4 million/mm³ :
(A) 3 Pg (B) 30 Pg
(C) 300 Pg (D) 3000 Pg
23. Which vitamin deficiency cause Scurvy?
(A) Vitamin A (B) Vitamin B
(C) Vitamin C (D) Vitamin D
24. The main sugar present in semen :
(A) Glucose (B) Lactose
(C) Sucrose (D) Fructose
25. Tyndalisation is the moist heat sterilisation method :
(A) at 160°C (B) at 100°C
(C) below 100°C (D) above 100°C
26. The only horizontal bone in the skeleton :
(A) Clavicle (B) Scapula
(C) Humerous (D) Ulna

27. Spirometer is used to measure :
(A) Lung volume (B) Heart rate
(C) Glomerular filtration rate (D) Endocrine activity
28. Acid fastness of organism is due to :
(A) Carbonic acid (B) Hyaluronic acid
(C) Mycolic acid (D) Butyric acid
29. The abnormal urinary constituent present in obstructive jaundice :
(A) Ketone body (B) Bile salt
(C) Bence-Jones protein (D) Bilirubin
30. WBC having blue black granules :
(A) Neutrophil (B) Eosinophil
(C) Lymphocyte (D) Basophil
31. Name commonly used staining method in cytology :
(A) AFB (B) H & E
(C) PAP (D) Negative staining
32. The type of microscope used for the best demonstration of living unstained spirochaetes :
(A) Compound microscope (B) Polarizing microscope
(C) Fluorescent microscope (D) Dark ground microscope
33. Possible blood group of offspring having A-group father and A-group mother :
(A) A, B (B) A, O
(C) A only (D) O only
34. The following are used to detect bacterial motility except :
(A) Streak culture (B) Hanging drop
(C) Mannitol medium (D) Craiges tube
35. Crystals seen in amoebic dysentery stool :
(A) Calcium oxalate (B) Charcot-Leydon
(C) Triple phosphate (D) Iron crystal

36. Which is not a ketone body?
(A) Acetic acid (B) Acetone
(C) Beta-hydroxy butyric acid (D) Acetoacetate
37. Cob-web clot of CSF indicate :
(A) Cryptococcal meningitis (B) Encephalitis
(C) Poliomyelitis (D) Tuberculous meningitis
38. Working principle of photoelectric colorimeter :
(A) Beer Lambert's law (B) Landstainer's law
(C) Mendelian law (D) Newton's law
39. Which is come under RFT?
(A) Cholesterol (B) Creatinine
(C) SGPT (D) Bilirubin
40. Special staining used to demonstrate reticulocyte :
(A) Negative staining (B) Regressive staining
(C) Supravital staining (D) Progressive staining
41. The following are the stages of ESR except :
(A) Stage of aggregation (B) Stage of sedimentation
(C) Stage of packing (D) Stage of agglutination
42. Bacteria having chinese letter pattern arrangement :
(A) Clostridium (B) Spirochaete
(C) Actinomyces (D) Corynebacterium
43. Which of the following is not a volumetric glass ware?
(A) Graduated pipette (B) Standard flask
(C) Beaker (D) Measuring cylinder
44. Name the RBC inclusion body :
(A) Spherocyte (B) Siderocyte
(C) Leptocyte (D) Acanthocyte

45. Ingredients of buffy coat :
(A) WBC and Platelets
(B) RBC and platelets
(C) Plasma and platelets
(D) Platelets only
46. Select the anaerobic culture media :
(A) XLD
(B) LJ
(C) PTA
(D) RCM
47. Select the chemical under explosive category :
(A) Ammonia
(B) Picric acid
(C) Benzidine acid
(D) Formaldehyde
48. The maximum depth of skin wound made by lancet :
(A) 3 mm
(B) 0.3 mm
(C) 3 cm
(D) 1 cm
49. Interferons are produced by the action of :
(A) Bacteria
(B) Fungus
(C) Virus
(D) Parasite
50. Which cell component is known as 'power house' of a cell?
(A) Endoplasmic reticulum
(B) Mitochondria
(C) Ribosome
(D) Nucleus
51. Anaemia is the characteristic feature of all parasitic infections except :
(A) Malaria
(B) Ancylostomiasis
(C) Filariasis
(D) Amoebiasis
52. Action of heparin to prevent blood coagulation :
(A) Precipitate calcium
(B) Chelation
(C) Antithrombin
(D) Shrinking of RBC
53. Generation time of Mycobacterium tuberculosis :
(A) 2 seconds
(B) 20 seconds
(C) 20 minutes
(D) 20 days

54. The dilutions prepared by RBC pipette :
(A) 1/100, 1/200 (B) 1/10, 1/20
(C) 1/50, 1/500 (D) 1/2, 1/4
55. Best method of sterilizing plastic syringes :
(A) Drying (B) Moist heat
(C) Radiation (D) Hot air oven
56. Lumbar puncture site in adults :
(A) Between L1 and L2 (B) Between L2 and L3
(C) Between L3 and L4 (D) Between L4 and L5
57. Causative agent of Enteric fever :
(A) Haemophilus (B) Proteus
(C) Vibrio (D) Salmonella
58. Leucocytes present in normal CSF :
(A) Eosinophil (B) Lymphocyte
(C) Neutrophil (D) Monocyte
59. Most accurate Haemoglobin estimation method :
(A) Sahlis method (B) Gasometric method
(C) Spencer's method (D) Drabkin's method
60. Bullet shaped virus :
(A) Rabies (B) Pox
(C) HIV (D) Polio
61. Total magnification of a microscope using oil immersion objective and 10X eye piece :
(A) 10 times (B) 100 times
(C) 1000 times (D) 10000 times
62. Causative agent of bacillary dysentery :
(A) Shigella (B) E.coli
(C) Proteus (D) Vibrio

63. Quick one stage method is used to detect :
(A) Bleeding time (B) Clotting time
(C) Prothrombin time (D) Clot retraction time
64. Name of test used to detect urine urobilinogen :
(A) Rothera's test (B) Ehrlich's test
(C) Fouchet's test (D) Hay's test
65. Name the test associated with Kirby-Bauer method :
(A) VDRL (B) ABST
(C) RPR (D) Widal
66. Albert staining is used to detect :
(A) Flagella (B) Spore
(C) Capsule (D) Metachromatic granules
67. Osmotic fragility of RBC is increased :
(A) Hereditary spherocytosis (B) Iron deficiency anemia
(C) Sickle cell anemia (D) Polycythemia
68. Which of the following statement is correct in case of virus?
(A) Multiply by binary fission
(B) Ribosomes are absent
(C) Sensitive to antibiotics
(D) Grow in inanimate medium
69. Select Agglutination reaction :
(A) Widal test (B) VDRL test
(C) CRP test (D) Schick test
70. The following are Romanowsky stains except :
(A) Wrights stain (B) Giemsa stain
(C) Granis stain (D) Jenners stain

71. A spectrophotometer contains all the components of a colorimeter except :

- (A) Light source
- (B) Galvanometer
- (C) Photocell
- (D) Filter

72. Blue pus producing bacteria :

- (A) Haemophilus
- (B) Pseudomonas
- (C) Neisseria
- (D) E.coli

73. Which is the specific method for blood sugar estimation?

- (A) Ortho Toluidine
- (B) Folin-wu
- (C) Oxidase peroxidase
- (D) Nelson-Somogy

74. Select Gram negative bacteria :

- (A) Staphylococci
- (B) Clostridium
- (C) Neisseria
- (D) Corynebacterium

75. Which of the following is a blood parasitic infection?

- (A) Filariasis
- (B) Taeniasis
- (C) Ascariasis
- (D) Amoebiasis

76. Bacteria produce swarming growth on solid media :

- (A) E.coli
- (B) Proteus
- (C) Klebsiella
- (D) Shigella

77. ANA test is used to detect :

- (A) Hb S
- (B) BT
- (C) CT
- (D) LE Cell

78. Cross infections occurring in hospital :

- (A) Zoonotic disease
- (B) Endemic disease
- (C) Pandemic disease
- (D) Nosocomial disease

79. Culture media used to differentiate Lactose fermenting and Non lactose fermenting bacteria :
- (A) LJ medium (B) Mac Conkey agar
(C) Selenite F broth (D) Chocolate agar
80. Bilirubin is the breakdown product of :
- (A) Haemoglobin (B) Protein
(C) Fatty acid (D) Amino acid
81. _____ is the term related to breaking up and decay of rocks by the action of the sun, rain, wind etc.
- (A) Weathering (B) Erosion
(C) Denudation (D) Apogee
82. Name the country which was excluded recently from 'Group of Eight Countries' :
- (A) Canada (B) Iran
(C) Italy (D) Russia
83. Quit India Movement was launched in :
- (A) 1924 (B) 1942
(C) 1920 (D) 1919
84. Rabindranath Tagore was born in :
- (A) 1869 (B) 1950
(C) 1889 (D) 1861
85. Year of an irresolute war between India and Pakistan that led to 'Tashkent Pact' between the two countries :
- (A) 1971 (B) 1965
(C) 1972 (D) 1966
86. Name of present Governor of Kerala :
- (A) R.L. Bhatia (B) Nikhil Kumar
(C) Sheila Dikshit (D) Hansraj Bhardwaj

87. Who founded Ananda Maha Sabha and Ananda Matham?
(A) Brahmananda Swami Sivayogi (B) Pandit Karuppan
(C) Anand Ramlogan (D) K. Kelappan
88. Name the Guru of Chattampi Swamikal and Ayyankali :
(A) Thycaud Ayya (B) Sree Narayana Guru
(C) Karunakara Guru (D) Ayya Vaikundan
89. Name the newspaper associated with Vakkom Abdul Khader Moulavi :
(A) Swadeshabhimani (B) Kesari
(C) Njananikshepam (D) Rajyasamacharam
90. Who was the director of 'Newspaper boy'?
(A) Lal Jose (B) Padmarajan
(C) P. Ramadas (D) M.T. Vasudevan Nair
91. To which of the following, Yakov Grigorevich Sinai related?
(A) Nuclear medicine (B) Biology
(C) Mathematics (D) Nano technology
92. Name the person who worked on the committee that drafted India's 'Biological Diversity Act-2002' :
(A) Krishnaswamy Kasturi Rangan
(B) Madhav Gadgil
(C) Oommen V. Oommen
(D) P.C. George
93. In 1951, present Kerala voted in two parts. Name the parts :
(A) Travancore and Cochin
(B) Travancore-Malabar and Cochin
(C) Travancore-Cochin and Malabar
(D) Malabar-Cochin and Travancore

94. Which among the following zones is the coldest region?
(A) Savannah (B) Temperate zone
(C) Torrid zone (D) Frigid zone
95. Juma Masjid in Delhi was built by :
(A) Shah Jahan (B) Akbar
(C) Aurangzeb (D) Shershah
96. Longest Dam in India :
(A) Bhakra Dam (B) Hirakud Dam
(C) Tungabhadra Dam (D) Thien Dam
97. Which part of the Constitution is dependable to formulate objectives for planning in India?
(A) Preamble
(B) Fundamental Rights
(C) Fundamental Duties
(D) Directive Principles of State Policy
98. Which of the following is a natural hot water spring?
(A) Perigee (B) Geyser
(C) Lagoon (D) Delta
99. Khasi and Garo languages are spoken by the people of :
(A) Assam (B) Nagaland
(C) Meghalaya (D) West Bengal
100. Energy of the sun is called :
(A) Photomerism (B) Phototropism
(C) Isolation (D) Insolation
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