

**PSC Laboratory Technician Grade ii
/ Laboratory Asst Grade ii - Animal
Husbandry Examination
Previous Year Question Paper**

***Exam Name: Laboratory Technician Grade ii /
Laboratory Asst Grade ii - Animal Husbandry***

Date of Test : 11.08.2015

Question Paper Code: 149/2015

Medium of Questions: English



149/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. The Normal Glomerular filtration rate is :
(A) 2 ml/minute (B) 2 ml/sec
(C) 2 litre/minute (D) 2 litre/sec
2. _____ is the causative agent of syphilis.
(A) Salmonella typhi (B) Streptococci
(C) Treponema pallidum (D) Sarcinia
3. A platelet diluting fluid :
(A) Rees – Ecker solution (B) Hingle Mann's fluid
(C) Dunger's fluid (D) Hayem's fluid
4. Bombay blood group can be detected by :
(A) Cell grouping (B) Cross matching
(C) Serum grouping (D) R^h typing
5. Father of Microbiology :
(A) Edward Jenner (B) Louis Pasteur
(C) Robert Koch (D) Robert Hook
6. Staining method for the demonstration of hormonal status in cytology :
(A) Shorr's stain (B) Albert's stain
(C) Giemsa stain (D) Pap's stain
7. CAMP test is used for the identification of :
(A) M. pneumoniae (B) Strep. agalactiae
(C) Strep. pneumoniae (D) Staph. aureus
8. The abnormal urinary protein seen in Multiple myeloma :
(A) Albumin (B) Bence – Jones Protein
(C) Peptidoglycan (D) C – reactive protein

9. In Westergren's method of ESR estimation the anticoagulant and blood used in the ratio :
(A) 4 : 1 (B) 1 : 9
(C) 9 : 1 (D) 1 : 4
10. Beer's - Lambert's law is the working principle of :
(A) Spirometer (B) Glucometer
(C) Colorimeter (D) Albuminometer
11. Largest WBC :
(A) Lymphocyte (B) Monocyte
(C) Histocyte (D) Leptocyte
12. Study of joints is called :
(A) Cytology (B) Osteology
(C) Arthrology (D) Mycology
13. H_5N_1 is a :
(A) Protozoan disease (B) Viral disease
(C) Fungal disease (D) Bacterial disease
14. The Normal Sperm Count is :
(A) 80 - 160 million/ml (B) 20 - 40 million/ml
(C) 4.5 - 6 million/ml (D) 100 - 140 million/ml
15. Anticoagulant of choice in Haematology :
(A) ACD (B) CPD - A
(C) EDTA (D) CPD
16. Muller's method is used for demonstrating :
(A) flagella (B) pili
(C) capsule (D) spore
17. In automated blood cell analyser blood cells are count by :
(A) Impedence (B) Absorbance
(C) Transmittance (D) Refraction

18. Which of the following factor increases ESR value :
(A) Albumin (B) Spherocyte
(C) Microcyte (D) Cholesterol
19. Blood carrying capacity of Sahl's pipette :
(A) 0.2 ml (B) 0.02 ml
(C) 2 ml (D) 20 ml
20. Which of the following is not a red cell indices?
(A) MCH (B) MCD
(C) MCP (D) MCHC
21. Serum differs from plasma due to the absence of :
(A) Fibrinogen (B) Globulin
(C) Thromboplastin (D) Prothrombin
22. In autoclave, sterilization occurs at :
(A) Moist heat at 100° C (B) Moist heat above 100° C
(C) Moist heat below 100° C (D) Moist heat at 160° C
23. An example of blood parasite :
(A) Entamoeba (B) Giardia
(C) Plasmodium (D) Taenia
24. Abnormal constituent present in urine during starvation :
(A) Ketone bodies (B) Protein
(C) Bile salts (D) Sugar
25. Most of the human pathogenic bacteria belongs to :
(A) Carboxy philic bacteria (B) Psychrophilic bacteria
(C) Mesophilic bacteria (D) Thermophilic bacteria
26. The blood product used for the treatment of haemophilic patients :
(A) FFP (B) Cryoprecipitate
(C) Packed red cell (D) PRP

27. Hormone detected in pregnancy test :
(A) Oestrogen (B) FSH
(C) ICSH (D) HCG
28. The immediate precursor of RBC :
(A) Myelocyte (B) Megakaryo blast
(C) Reticulocyte (D) Thrombocyte
29. ————— are called universal donor.
(A) O gp (B) AB gp
(C) A gp (D) B gp
30. NPN substance present in blood :
(A) Glucose (B) Albumin
(C) Urea (D) Cholesterol
31. An example for explosive chemical :
(A) KCN (B) Picric acid
(C) Acetic acid (D) Benzidine
32. The only artery which carry impure blood :
(A) Coronary artery (B) Renal artery
(C) Hepatic artery (D) Pulmonary artery
33. Buffy coat contains :
(A) leucocyte and platelets (B) erythrocyte and platelets
(C) platelets only (D) leucocyte and erythrocyte
34. Structural and functional unit of Nervous system :
(A) Nephron (B) Ventricle
(C) Gyri (D) Neuron
35. Eosinophilia seen in :
(A) Typhoid (B) Pneumonia
(C) Asthma (D) Chicken pox

36. The magnification of High Power objective :
- (A) 10 X (B) 5 X
(C) 100 X (D) 45 X
37. Specific gravity of urine can be measured using :
- (A) Urinometer (B) Spectro photometer
(C) Lactometer (D) Colorimeter
38. Arrangement of RBC in pile of coins is called :
- (A) Agglutination (B) Osmotic fragility
(C) Rouleaux formation (D) Sensitisation
39. Selective medium for M. tuberculosis :
- (A) TBA (B) L.J. Medium
(C) MNYC medium (D) XLD
40. Confirmatory test for AIDS :
- (A) ELISA (B) Southern blot
(C) Western blot (D) PCR
41. Reabsorption of sodium in renal tubule under the influence of :
- (A) Serotonin (B) Melanin
(C) ADH (D) Aldosterone
42. Breakdown product obtained by Haemoglobin metabolism :
- (A) Bilirubin (B) Acetone
(C) Urea (D) Creatinine
43. The bacteria arranged in chinese letter pattern :
- (A) Chlostridium tetani (B) Campylo bacter
(C) Brucella (D) Corynebacterium diphtheriae

44. Weil's disease is related to :
(A) Toxoplasma (B) Yersinia
(C) Leptospira (D) Borrelia
45. Glucose memory test is the estimation method of :
(A) Hb A (B) Hb A₁ C
(C) Hb A₁ S (D) Meth Hb
46. Sterilization method for antibiotic solution :
(A) Ultrasonic vibration (B) Inspissation
(C) Radiation (D) Filtration
47. The fluid seen in subarachnoid space :
(A) pleural fluid (B) synovial fluid
(C) cerebro spinal fluid (D) peri cardial fluid
48. Digestive enzyme present in saliva :
(A) Ptyalin (B) Rennin
(C) Trypsin (D) Pepin
49. Estimation of serum creatinine is based on :
(A) Vanden Bergh Reaction (B) Berthlot reaction
(C) Enzymatic reaction (D) Jaffe's reaction
50. The term used for the reproducibility of a test :
(A) Sensitivity (B) Accuracy
(C) Precision (D) Bias
51. In hypotonic saline RBC shows :
(A) Haemolysis (B) No change
(C) Shrinks (D) Adheres

52. Colouring agent in Blood grouping antisera B :
(A) Methylene blue (B) Eosin
(C) Malachite green (D) Acriflavin
53. Incomplete R^h antibodies are demonstrated by :
(A) Direct Coombi Test (B) Cross matching
(C) Indirect Coombi Test (D) R^h typing
54. Test used to differentiate staphylococci from streptococci :
(A) catalase (B) coagulase
(C) oxidase (D) urease
55. The organelle analogous to mitochondria seen in a bacterial cell :
(A) Mesosomes (B) Ribosomes
(C) Polysomes (D) Acrosome
56. A Haematological disorder due to the reduction in alpha or beta Haemoglobin chain :
(A) HDN (B) Thalassaemia
(C) Aplastic anaemia (D) Polycythaemia
57. Reagent used for the demonstrating fungus :
(A) NaOH (B) NaCl
(C) KCl (D) KOH
58. Most commonly used dehydrating agent in histopathology :
(A) Methanol (B) Ethanol
(C) Isopropyl alcohol (D) Butanol
59. The gland having both endocrine and exocrine function :
(A) Liver (B) Brunner's gland
(C) Cowper's gland (D) Pancreas

60. Suicidal bag :
(A) Golgibodies (B) Centrosomes
(C) Lysosomes (D) Ribosomes
61. Life span of RBC :
(A) 120 days (B) 40 days
(C) 10 days (D) 60 days
62. The normal albumin to Globulin ratio is :
(A) 1 : 2 (B) 3 : 1
(C) 3 : 2 (D) 2 : 1
63. Punctuate Basophilia is a characteristic feature seen in :
(A) Splenectomy (B) Sickle cell anaemia
(C) Metal poisoning (D) Haemolytic anaemia
64. The confirmatory test for SLE :
(A) Solubility test (B) ASO test
(C) RNA test (D) ANA test
65. Estimation of CSF protein by :
(A) Pandy's test (B) Brad Shaw's test
(C) Hay's test (D) Biurette test
66. Good cholesterol is :
(A) VLDL (B) LDL
(C) HDL (D) Triglyceride
67. Variation in size of RBC :
(A) Poikilocytosis (B) Anisocytosis
(C) Spherocytosis (D) Leptocytosis
68. Instrument for the measurement of BP :
(A) Thermometer (B) Barometer
(C) Sphygmomanometer (D) Manometer

69. The longest bone :
- (A) Femur (B) Scapula
(C) Tibia (D) Humerus
70. Test done to investigate Rhumatoid arthritis :
- (A) Widal test (B) Schik test
(C) Rose Waaler test (D) Immuno fluorescence test
71. The antibody which can cross placental barrier :
- (A) Ig M (B) Ig G
(C) Ig D (D) Ig A
72. Negative staining is used for the demonstration of :
- (A) Cryptococci (B) Gonococci
(C) Micrococci (D) Meningo cocci
73. Black water fever is caused by :
- (A) P. vivax (B) P. ovale
(C) P. falciparum (D) P. malariae
74. An example of non-motile bacteria :
- (A) Salmonella (B) Klebsiella
(C) Vibrio (D) Proteus
75. Parasite showing Retroinfection :
- (A) Trichuris trichura (B) Ascaris
(C) Ancylostoma (D) Enterobius
76. Medium suitable for ABST is :
- (A) CA (B) BA
(C) MHA (D) DCA

77. In Gram staining Iodine is used as a :
(A) Decolouriser (B) Fixative
(C) Buffer (D) Mordant
78. A test done in pregnant ladies having diabetic family history :
(A) GCT (B) CT
(C) APTT (D) GTT
79. Inactivation of compliment in serum by :
(A) by heating at 37° C for 1 hr. (B) by heating at 100° C for 30 mts.
(C) by heating at 56° C for 30 mts. (D) by heating at 120° C for 15 mts.
80. Mc Intosh Fildes Jar is used for the cultivation of :
(A) Aerobic bacteria (B) Halophilic bacteria
(C) Acid fast bacteria (D) Anaerobic bacteria
81. The author of 'Darsanamala' :
(A) Kumara Guru (B) Sree Narayana Guru
(C) Sankaracharya (D) Kumaranasan
82. Who was the leader of the revolt of 1857 in Delhi?
(A) Bahadursha II (B) Bahadurkhan
(C) Moulavi Ahammadulla (D) Kunvarsingh
83. Planning Commission in India was established on :
(A) 1948 (B) 1951
(C) 1952 (D) 1950
84. Nobel Prize Winner of Economics in 2014 :
(A) Eric Betzig (B) Eugene Fama
(C) Jean Tirole (D) Alvin E Roth

85. The Temple Entry proclamation of Kochi was issued in the year :
(A) 1936 (B) 1947
(C) 1949 (D) 1948
86. Seismology is the study of :
(A) Earth quakes (B) Fossils
(C) Rocks (D) Rivers
87. Incheon, the Asian games venue of 2014 situated in :
(A) North Korea (B) South Korea
(C) South Africa (D) Germany
88. "Give me blood, in turn I will give you freedom". Who says this?
(A) Bhagatsingh (B) Chandrasekhar Azad
(C) Subhash Chandra Bose (D) Balagangadhara Tilak
89. Who wrote 'Jathikkummi'?
(A) Pandit Karuppan (B) Ayyankali
(C) Swami Vivekananda (D) Vagbhatananda.
90. The 'Sahodara Prasthanam' started by :
(A) C. Krishnan (B) K. Ayyappan
(C) T.K. Madhavan (D) K. Kelappan
91. 'Heliocentric theory' was put forwarded by :
(A) Isac Newton (B) Charles Darwin
(C) Albert Einstein (D) Copernicus
92. The first textile mill was started in :
(A) Surat (B) Madras
(C) Bombay (D) Rishra

93. Telengana state was formed in :
(A) 2 June 2014 (B) 12 July 2014
(C) 4 May 2014 (D) 5 August 2014
94. Ilbert Bill controversy took place during the viceroyalty of :
(A) Lord Canning (B) Lord Ripon
(C) Lord Lytton (D) Lord Dufferin
95. Mangalyan' related to :
(A) Sun (B) Venus
(C) Mars (D) Saturn
96. Odakkuzhal award winner of 2013 :
(A) M.K. Sanu (B) Prabhavarma
(C) M.T. Vasudevan Nair (D) K.R. Meera
97. Kanneerum Kinavum' related to :
(A) V.T. Bhattathirippad (B) Chattampi Swamikal
(C) Brahmananda Sivayogi (D) Ayya Vaikundar
98. 'Keralaramam' was the contribution of :
(A) English (B) Dutch
(C) Chinese (D) Portuguese
99. The period of 12th Five Year Plan belongs :
(A) 2010 – 2015 (B) 2011 – 2016
(C) 2012 – 2017 (D) 2013 – 2018
100. E.V. Ramaswami Naikar, the social reform leader of Tamil Nadu came to Kerala in connection with :
(A) Kayyur revolt (B) Quit India revolt
(C) Salt sathyagraha (D) Vaikkom sathyagraha