

Practice Questions

These are practice questions / sample of assessment or kind of guide to clear Assessment to become Certified Medical Lab Technologist.

Kindly go through each questions & prepare your assessment.

Question-1 Which of the following is a ASO test by latex agglutination?

- 3) > 10 IU/ml 4) <10 IU/ml
- 1) >200 [U/ml 2) <200 IU/ml

Question-2 In pregnancy, the peak level of HCG in urine seen at which month?

- 1) 4th week of gestation 2) 6 th week of gestation
- 3) 10 th week of gestation 4) 14 th week of gestation

Question3- Bloody stool with pus and mucus seen in the following conditions except.

- 1) Ulcerative colitis 2) Mucus colitis
- 3) Bacillary dysentery 4) Carcinoma of colon

Question-4 Which one of the following is used to test ketone bodies?

- 1) Rothera's test 2) Diazo test 4) Ehrlich's test
- 3) Benzidine test

Question-5 Which of the following is an intermediate host of plasmodium species?

- 1) Female anopheles' mosquito
- 2) Man

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- 3) Male anopheles' mosquitoes
- 4) None of the above

Question-6 The word which refers to the "closeness" of a result and repeated analysis is

- 1) Accuracy 3) Precision
- 2) Sensitivity 4) Specificity

Question-7 Which is the confirmatory test for AIDS?

- 1) Western blot 3) ELISA
- 2) Southern blot 4) CLIA

Question-8 Aorta arises from

- 1) Right atrium
- 3) Right Ventricle
- 2) Left atrium
- 4) Left ventricle



Question-9 By which of the following chikungunya fever is transmitted by

- 1) Culicine mosquito
- 2) Culex mosquito
- 3) Aedes mosquito
- (4) sonia mosquito

Question-10 Vitamin B12 , is also known

- 1) Cynocobalamine 2) Methylcobalamine 3) Cobalamine 4) Bromocobalamine

Question-11 What is the colour of Lactose fermenting bacteria on MacConkey agar?

- 3) Green
- 1) Colourless
- 2) Pink 4) Black

Question-12 What is the colour code used for EDTA anticoagulant?

- 1) Green 3) Purple
- 2) Grey 4) Red

Question-13 What is the dilution factor that can be made using an RBC pipette?

- 1) 1:200 3) 1:50
- 2) 1:10 4) 1:20

Question-14 What is the normal weight of a healthy kidney?

- 1) 135-150 gms
- 3) 160-170 gms
- 2) 110-120 gms
- 4) 100-110 gms

Question-15 Fluoride inhibits the enzyme in glycolysis?

- 1) Enolase
- 2) Cis aconitate

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- 3) Succinate thiokinase
- 4) Aldolase

Question 16 Variation in shapes of RBCs is called

- 1) Poikilocytosis 2) Hypochromin 3) Anisocytosis 4) Pleocytosis

Question-17 Which of the following is an example of an aromatic amino acid?

- 1) Valine
- 3) Tyrosine
- 2) Glycine 4) Alanine

question-18 Dark adaptation time is deficient increased in individual.

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

Question 19 Normal range of plasma total protein is gms/dl.

- 1)8-10 3) 6-8 2) 9-10 A) 3-5

Question 20 Which of the following is t not an oxidant used for ripening of hematoxylin?

- 1) Ammonium oxalate 2) Mercuric oxide
- 3) Solhuni Jodide. 4) Potassium permanganate

Question-21 The unit of measurement used in bacteriology is

- 1) Kilometre 3) Centimetre
- 2) Micrometre 4) Metre

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Question-22 Individuals who have D antigen on the red cell surface are called

- 1) Rh positive
- 3) Rh negative
- 2) B Rh negative
- 4) A Rh negative

Question-23 Which one of the following markings are present on a WBC pipette?

- 1) 0.5, 1 and 101
- 3) 0.5, 1 and 11
- 2) 1,5 and 11 4) 0.5, 11 and 101

Question 24 When performing a venipuncture, bright red spurts into the tube. This means

- 1) An arterial puncture
- 2) Liver disease
- 3) Prostatic cancer
- 4) Heart disease

Question-25 Which gram stain reagent is acts as a mordant to bind the stain to the bacteria?

- 1) Lugol's iodine
- 2) Acetone alcohol
- 3) Gram's iodine
- 4) Crystal Violet

Question-26 A blood specimen collected in heparinized tube is centrifuged. It will separate into

- 1) Serum and Clot
- 2) Plasma and clot
- 3) Serum, buffy coat & clot
- 4) Plasma, buffy coat & RBCs

Question-27 Most of the carbon dioxide present in the blood is in the form of

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- 1) Dissolved CO₂
- 2) Carbonate 4) Carbonic acid
- 3) Bicarbonate ion

Question-28 What is the chemical name of Vitamin C?

- 1) Folic acid 3) Renitol
- 2) Acetic acid 4) Ascorbic acid

Question 29 Histokinette machine is used for

- 1) Preparation of Histopathology Blocks
- 2) Processing of gross specimen 4) None of the above 3) Quality control

Question:30 Mild symptoms of novel coronavirus are/is

- 1) Fever 2) Cough 3) Shortness of breath 4) All of the above

Question-31 Who is known as 'Father of modern Microbiology'?

- 1) Louis Pasteur
- 2) Robert Koch
- 3) Alexander Flemming
- 4) Edward Jenner

Question 32 Renal Calculi is NOT associated with

- 1) Purines
- 3) Calcium
- 2) Pyrimidine

4) Phosphate

Question-33 Which of the following is an example of polysaccharide?

3) Glucose

1) Starch

2) Fructose

4) Maltose

Question-34 What is the normal size of RBC

1) 8.5 μ 3) 5.5 p

2) 9.0 μ 4) 7.5 μ

Question-35 Which of the following is a standard amino acid?

1) Acetic acid

3) Nitric acid

2) Ascorbic acid

4) Valine

Question 36 The test that measures the oxygen carrying capacity of RBCs is the

1) Hct

2) ESR 4) MCV

3) Hgb

Question 37 The end product of protein digestion is

. 1) Glycerol

2) Fatty acid

- 3) Monosaccharides
- 4) **Amino acid**

Question 38 The Tourniquet is

- 1) Applied very tightly to the arm
- 2) Tied in a knot to keep it on securely
- 3) **Used to increase venous fill**
- 4) Applied about above the elbow

Question 39 Color code for Heparin is

- 1) **Green** 3) Blue 2) Red 4) Purple

Question 40 The pipette with a bulged out portion in the middle is a

- 1) Mohr pipette 2) Pasteur pipette 3) Serological pipette 4) **Volumetric pipette**

Question-41 Malarial parasite is present on

- 1) Monocyte
- 3) WBC
- 2) **RBC**
- 4) WEB

Question-42 Which of the following cells is not a WBC?

- 1) Neutrophil
- 3) Monocyte
- 2) Basophil
- 4) **Thrombocyte**

Question-43 Milk is an example of

- 1) Foam
- 3) Emulsion
- 2) Gel
- 4) Solution

Question-44 Which laboratory department studies antigen-antibody reaction?

- 1) Hematology 2) Biochemistry
- 3) Immunology 4) Coagulation

Question-45 The universally accepted disinfectant for the medical workplace is

- 1) 2% Gluteraldehyde 2) 1% Hypochlorite
- 3) 10% Formaline 4) 70% Isopropyl alcohol

Question46 Serum Cholesterol estimation is done by which of the following method?

- 1) Molisch method
- 2) Benedict's method
- 3) Zak's ferric chloride method
- 4) Jefferson's method

Question47 Which of the following condition shows abnormal Osmotic fragility?

- 1) Leprosy
- 2) Mearles
- 3) Tuberculosis

4) **Thalassamia**

Question48 Specific gravity of urine normally varies between to

- 1) 1.010 to 1040
- 2) 01.010 10 1.015
- 3) **1.010 to 1.030**
- 4) 1010 to 1.040

Question-49 The 1' chain in the Immunoglobulin has a molecular weight of approximately about

- 1) 5,000 Da
- 2) 15,000 Da
- 3) **25,000 Da**
- 4) 35,000 Da

Question50 Examples for late lactose fermenters is

- 1) E. coli
- 2) Klebsiella
- 3) **Shigella sonneg**
- 4) Salmonella

Question-51 If objective lens in 40X and optical lens is 10x, what is total magnification of objects?

- 1) **400x**
- 2) 1000x
- 3) 10x
- 4) 4000X

Question-52 Which bacteria produces Green pigment?

- 1) Staphylococci
- 2) E. coli

3) Clostridia

4) Pseudomonas aeruginosa

Question-53 What is temperature used for sterilization in autoclave?

1) 121°C

3) 100°C

2) 140°C

4) 72°C



Question-54 Facultative anaerobic bacteria grow.

1) Only in absence of Oxygen

2) Only in presence of Oxygen

3) In absence or presence of Oxygen

4) None of the above

Question-55 The rich source of PUFA (Polyunsaturated fatty acids)?

1) Sunflower oil 3) Soya bean oil

2) Ghee 4) Coconut oil

Question-56 Bilirubin is not excreted in Urine in

1) Obstructive jaundice 2) Hepatic jaundice

3) Haemolytic jaundice 4) All of the above

Question 57 Which one of the following is a DNA virus?

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

Question-58 Which of the following causes cloudiness of Urine?

- 1) Phosphate
- 2) Urates
- 3) Leucocytes
- 4) Excess of Glucose

Question-59 Which polymer is used in a capsule to keep orthopedic devices and in controlled release of drug ?

- 1) PHBV
- 3) Dextran
- 2) Nylon-6
- 4) Decron

Question-60 Malaria is caused by which protozoa?

- 1) E. histolytica
- 2) Plasmodium
- 2) Giardia lamblia
- 4) E. coli

Question 61 Which of the following is called serum hepatitis?

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- 1) HCV
- 3) **HBV**
- 2) HAV
- 4) HIV

Question62 What is the life span of RBCS?

- 1) **120 days**
- 3) 200 days
- 2) 100 days
- 4) 80 days

Question63 Accumulation of abnormal free fluid in the peritoneal cavity is termed as which of the following?

- 1) Pleural fluid 2) **Ascitic fluid**
- 3) Pericardial fluid 4) Synovial fluid

Question-64 On which of the following. the smear of prefixed effusion is prepared?

- 1) **Albumin coated slide**
- 2) Plane glass slide
- 4) Greasy glass slide
- 3) Clean glass slide

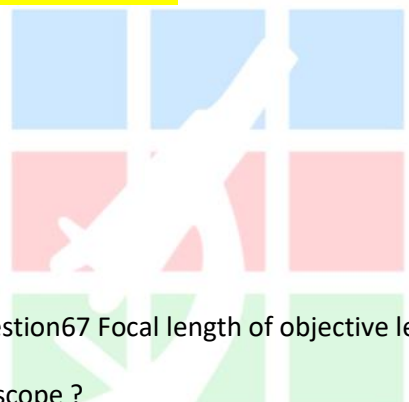
Question-65 What is the colour of aqueous bromine solution ?

- 1) **Dark red brown**
- 3) Greenish blue

- 2) Blue
- 4) Reddish violet

Question-66 Which of the following is/are reasons for RBC count error?

- 1) Failure to get free flow of blood from finger prick without squeezing.
- 2) Prolonged statis due to tourniquet.
- 3) Inadequate admixture with anticoagulant.
- 4) All of the above.



Question67 Focal length of objective lens is ___ than the focal length of eye piece in an astronomical telescope ?

- 1) Smaller
- 3) Less
- 2) More
- 4) Smaller or Less

Question-68 Negative blood can be given to which of the following?

- 1) Rh positive recipient
- 4) None of the above
- 2) Rh negative recipient
- 3) Both 1 & 2

Question-69 When an element loses electron it forms

- 1) Positive ion
- 3) Compound
- 2) Negative ion
- 4) None of the above

Question-70 Which of the following serum constituent is unstable if a blood specimen is left at room temperature for 8 hours before processing?

- 1) Triglycerides
- 3) Glucose
- 2) Cholesterol
- 4) Creatinine



Question-71 Which of the following drug interferes with the test for bile pigment by Fouchet's test?

- 1) Sulpha druga
- 3) Salicylates
- 2) Steroids
- 4) Antibiotic

Question-72 Which enzyme increase in acute pancreatitis?

- 1) Urease
- 3) Trypsin
- 2) Amylase
- 4) Acid phosphates

Question-73 What is the minimum Haemoglobin (Hb) concentration required for blood donation ??

- 1) 11.0 gms/dl
- 3) 13.0 gms/d
- 2) 12.5 gms/dl
- 4) 13.5 gms/dl

Question-74 Which method is used for estimation of creatinine?

- 1) Biuret method
- 2) GOD-POD method
- 3) Bromocresol green method
- 4) Jaffe's method

Question-75 Which of the following is an example of a neurotransmitter?

- 1) Noradrenaline
- 3) Bile 2) Insulin 4) Cholesterol

Question-76 What we called the cranial nerve that conducts impulses for vision?

- 1) Oculomotor
- 3) Optic
- 2) Facial
- 4) Vagus

Question77 The daily requirement of calcium is closest to which value?

- 1) 200 mg 3) 1000 mg
- 2) 300 mg 4) 600 mg

Question78 Vitamin K is required for,

- 1) Change of prothrombin into thrombin
- 2) Synthesis of prothrombin
- 3) Scurvy
- 4) Rickets

Question-79 For Rh(D) typing on donor units including weak D typing, which Anti-D antisera is required?

- 1) Ig M monoclonal anti-D
- 2) Ig G monoclonal anti-D
- 3) Ig M+IgG monoclonal anti-D
- 4) none of the above



Question80 KLB (Klebs loeffler bacillus) is diagnostics of,

- 1) Tuberculosis
- 3) Diphtheria
- 2) Mumps
- 4) Leprosy

Question81 In which of the following condition reticulocyte count is decreases?

- 1) Sickle cell anaemia
- 2) Thalassemia

3) Fanconi anaemia

4) Iron deficiency anaemia

Question-82 Which of the following is the most mature normoblast?

1) Orthochromic normoblast

2) Basophilic normoblast

3) Pro normoblast

4) Polychromatoc normoblasti

Question-83 What are the Methods of Blood grouping?

1) Slide method 3) Gel card method

2) Tube method 4) All of the above

Question-84 Which of the following condition shows Bence-Jones protein in urine?

1) Acute myeloid leukemia 2) Malignant lymphoma

3) Multiple myeloma 4) Chronic myeloid leukemia

Question-85 What we called the first cervical vertebra?

1) Axes

2) Atlas

3) Thoracic vertebra

4) Cervical vertebra

Question-86 What is the volume of ACD solution used to collect 100ml of blood ?

3) 28 ml

4) 5 ml

1) 16 ml

2) 30 ml

Question-87 Which test detects the unexpected antibody in blood?

4) VDRL

1) DAT

3) DCT

2) ICT

Question 88 What is the normal systolic blood pressure?

1) 70 mmHg

3) 90mmHg

2)) 80 mmHg

4) 120 mmHg

Question 89 Which of the following hormone is secreted by Thyroid gland?

1) T3 3) HCG

2) FSH 4) LH

Question-90 Which of the following is a fungal stain?

1) GMS

2) PAS

3) Both 1 & 2

4) None of the above

Question-91. _____-is an example of formalin containing fixative?

- 1) Carnoy's fluid
- 2) 10% formal saline
- 3) Clarke's fluid
- 4) Flemming's fluid

Question-92 Which is the infective form of the Malarial parasite ?

- 1) Oocyst
- 3) Bradyzoite
- 2) Sporozoite
- 4) Tachyzoite

Question-93 Light gathering capacity of microscope is called.

- 1) Numerical Aperture
- 2) Angular Aperture
- 3) Both 1, 2,
- 4) None of the above

Question94 Which of the following is not a Romanowsky stain?

- 1) Leishman's stain
- 2) Giemsa stain
- 3)Wright stain
- 4) Grams stain

Question-95 Which of the following drug is used to treat worm infection?

- 1)Ciprofloxacin
- 3) Paracetamol
- 2) Albendazole
- 4) Ibuprofen

Question-96 Which is the best stain for reticulocyte count?

- 1) Alcian blue
- 2) Brilliant cressal blue
- 3) Toludine blue
- 4) New Methylene blue

Question-97 How many nuclear are there in cyst of Giardia lamblia?

- 1) One
- 2) Two
- 3) Four
- 4) Eight

Question-98 Blood group Antisera anti-B _____ in color?

- 1) Blue
- 2) Colourless
- 3) Yellow
- 4) Pink

Question-99 Which of the following tests comes under IMVIC test?

- 1) Coagulase test
- 2) Catalase test
- 3) Citrate utilization test
- 4) None of the above

Question-100 The immunoglobulin that mediates the allergic reaction is

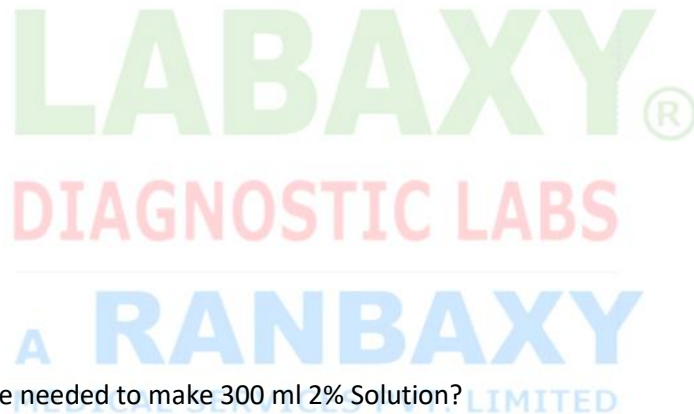
- 1) Ig M
- 2) Ig A
- 3) Ig G
- 4) Ig E

Question-101 Which is not a fixative in Histopathology from below mentioned options?

- 1) Formalin
- 2) Haematoxylin
- 4) Alcohol
- 3) Picric acid

Question-102 Which is not the basic need for culture media?

- 1) Energy source
- 3) Salt
- 2) Carbon source
- 4) Silicon



Question-103 How many grams of NaCl are needed to make 300 ml 2% Solution?

- 1) 2 gms 3) 6 gms
- 2) 4 gms 4) 20 gms

Question-104 The purpose of doing a differential count is to;

- 2) Count the number of WBCs in whole blood
- 1) Determine whole blood the proportion of WBCs in whole blood
- 3) Diagnose anemia
- 4) None of the above

Question 105 In improved Neubauer chamber, how many medium squares are used in counting?

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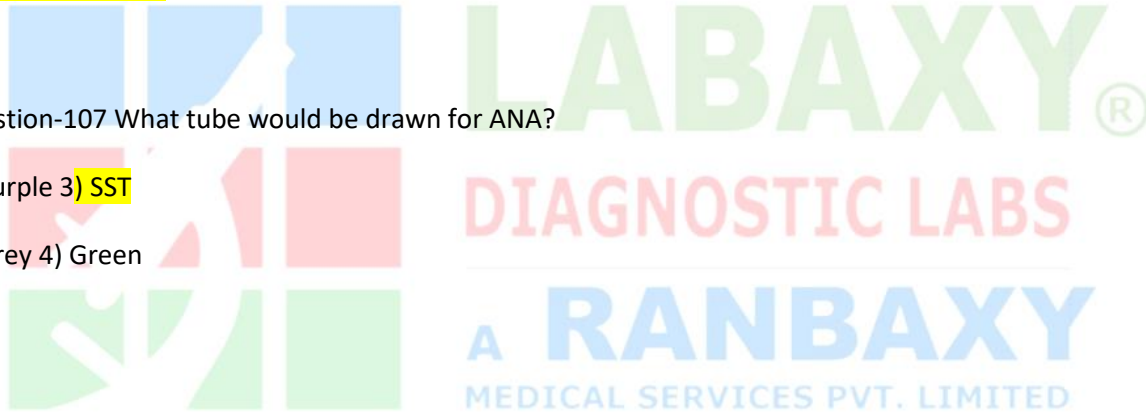
- 2) Ten
- 1) Four
- 3) Five
- 4) eight

Question106 Van Den Bergh reaction is used for estimation of

- 1) Total protein 2) Serum Creatinine
- 3) Serum Billirubin 4) Serum Uric acid

Question-107 What tube would be drawn for ANA?

- 1) Purple 3) SST
- 2) Grey 4) Green



Question-108 You are collecting a blood glucose level The patient asks if you think he has diabetes. You should tell him.

- 1) You are unable to give him any info.
- 2) To discuss this with the doctor as he can answer the question
- 3) You have been instructed not to give out any info. therefore, you can't discuss it
- 4) To read a prepared pamphlet and make his own decision

Question-109 Which is the correct order of Mitosis cell division?

- 1) Anaphase-Telophase-Metaphase prophase
- 2) Metaphase-Prophase-Telophase Anaphase
- 3) Prophase-Metaphase-Anaphase Telophase
- 4) Telophase-Metaphase-Anaphase Prophase

Question-110 Which reagent is not used to preserve tissues?

- 1) Formic acid
- 3) Bouins fluid
- 2) Zenkers fluid
- 4) 40% formaldehyde

Question-111 The optimum temperature for most of the enzymes is between

- 1) 20-25 °C
- 2) 35-40 °C
- 3) 40-50 °C
- 4) 15-20 °C

Question112 Fixation of atmospheric nitrogen is by means of

- 1) Biological process
- 2) Lightening
- 3) Ultraviolet light
- 4) All of the above

Question113 The antiseptic method was first introduced by which of the following

- 1) Lord Lister
- 3) Beijernick
- 2 Iwanowski
- 4 Edward Janner

Question-114 Mycobacterium leprae was discovered by which of the following?

- 1 Robert Koch
- 2) Hansen
- 3) Edward Jenner
- 4) Louis Pasteur

Q 115 - Mycobacterium leprae is also known as

- A. Golden bacilli
- B. Koch's bacillus
- C. Magical bacilli
- D. Hansen's bacilli

ANSWER - D

Q116- Drug of choice to treat leprosy is

- A Rifampicin
- B. Acyclovir
- C. Zidovudine
- D. Dapsone

ANSWER - D

Q117 - Mycobacterium tuberculosis is also known as

- A Golden bacilli
- B. Koch's bacillus
- C. Magical bacilli
- D. Hansen's bacilli

ANSWER - B

Q118 -Correct statement regarding microscope is.....

- A Electrons are used as a source of illumination in Electron microscope
- B. Antonie Van Leeuwenhoek developed microscope first time
- C. Knoll & Ruska developed electron microscope
- D. All the above

ANSWER - D

Q119 - All of the following are acid-fast organisms EXCEPT

- A Mycobacterium tuberculosis
- B. Nocardia
- C. Isospora belli
- D. Staphylococcus

ANSWER - D

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120 Bacterial structure involved in respiration is

- A Ribosome
- B. Pili
- C. Mesosome
- D. Flagella

ANSWER - C

121. Identify correct statement regarding bacteria

- A. Respiration, cell division and sporulation are the functions of mesosome in bacteria
- B. Capsule in bacteris enables adherence to surface and protection against phagocytosis
- C. Heterotrophs are the bacteria that are unable to Synthesize their own food materials
- D. All the above

ANSWER - D

Q122 -Correct regarding cocci are

- A Cocci are spherical shaped bacteria
- B. Cocci present in chain is known as streptococci
- C. Cocci present in the shape of grapes is known as staphylococci
- D. All the above

ANSWER - D

123. Coma shaped bacteria are known as

- A. Staphylococci
- B. Streptococci
- C. Vibrio
- D. Bacillus

ANSWER – C

124. Which of the following is most resistant to sterilization?

- A Tubercle bacilli B. Viruses
- C. Spores
- D. Prions

ANSWER - D

125. Endoscope is sterilized by:

- A Glutaraldehyde
- B. Formaldehyde
- C. Atuoclaving
- D. Hot ait oven

ANSWER - A

126. Recommended transport medium for stool specimen

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suspected to contain *Vibrio cholerae* is:

- A. Buffered glycerol saline medium
- B. Venkatraman-Ramakrishnan medium
- C. Nutrient broth
- D. Blood agar

ANSWER - A

127. Which is an enriched media?

- A. Selenite F broth
- B. Peptone water
- C. MacConkey agar
- D. Chocolate agar

ANSWER - B

128. Which of the following factors does not affect microbial growth? (RPSC Nsg Tutor 2009)

- A. Moisture
- B. Disinfection
- C. Darkness
- D. Temperature

ANSWER - C

129. Agar concentration required to prepare nutrient agar is:

- A. 1-2%
- B. 4-6%
- C. 0.25-0.5%
- D. 0.5-1%

ANSWER - A

130. HIV is a

- A. Retrovirus
- B. DNA virus
- C. Fungus
- D. Bacteria

ANSWER - A

131. MRSA is mediated due to

- A. Plasmid
- B. Chromosome
- C. Transposons
- D. None

ANSWER - B

132. All of the following are vector-borne diseases except

- A. Malaria
- B. Filariasis
- C. Rubella

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D. Chagas disease

ANSWER – C

133. Primary immune response the correct statement is:

- A Involves IgG
- B. Antibody producing cells. Memory B cell
- C. No lag period
- D. Slow and sluggish

ANSWER – D

134- Which of the following infectious agents can be transmitted through blood transfusion?

- A HIV
- B. Treponemapallidum
- C. Toxoplasmagondi
- D. All of the above

ANSWER – D

135- which one of the following is post streptococcal sequelae:

- A Acute rheumatic fever
- Cellulitis
- cPharyngitis
- D impetigo

ANSWER – A

136. A positive tuberculin test is indicated by and area of induration of:

- A. <5mm in diameter
- B. 6-9 mm in diameter
- C.> 10 mm in diameter
- D.Noinduration

ANSWER – C

137. Diagnostic test used for typhoid fever is

- A Blood cultures
- B. Dick Test
- C. shick test
- D. Widal test

ANSWER – D

138. Diagnostic test used for diphtheria is

- A Blood culture
- B. Dick Test
- C. Shick test
- D. Widal test

ANSWER – C

139. Diagnostic test used for TB is.....

- A Mantoux test
- B. Dick Test
- C hick test
- D.Widal test

ANSWER – A

140. Diagnostic test used for scarlet fever is

- A.Mantoux test
- B. Dick Test
- C. shick test
- D. Widal test

ANSWER – B

141. Diagnostic test used for typhus fever is

- Mantoux test
- B. Dick Test
- C shick test
- D. Weil Felix

ANSWER – D

142. Route of injecting shick test toxin/ purified protein derivative(mauntox test) is

- A Intra vascular
- B. Intra dermal
- C intra muscular
- D Subcutaneous

ANSWER – B

143. Site for injecting shick test toxin/ purified protein derivative mauntox test) is ...

- A Right upper arm
- B Left upper arm
- C. Left fore arm
- D.Right forearm

ANSWER – C

144. Most accurate method of diagnosis of Helicobacter pylori is:

- A Culture
- B. Biopsy urease test
- C. Histopathology
- D. Urea breath test

ANSWER – D

145. All of the following viruses are transmitted by respiratory route except:

- A influenza virus
- B Rota virus
- C. Respiratory syncytial virus
- D. Rhinovirus

ANSWER – B

146. Acid fast staining is used to detect

- A. Mycobacterium TB
- B Ctetani
- C HIV/AIDS
- D. Meningococci

ANSWER – A

147. During the window period of patient with AIDS, best diagnostic test is:

- A. ELISA
- B. Western Blot
- C. Rapid test
- D. RT-PCR

ANSWER – D

148. Best indicator of HIV prognosis

- A CD4T cell count
- B. CD8 T cell count
- C. HIV RNA
- D ELIS

ANSWER – A

149. Most effective mode of transmission of HIV:

- A. Sexual
- B. Blood product
- C. Needle/syringe
- D Mother of fetus

ANSWER – B

150. Most common malignancy in AIDS is;

- A. Kaposi sarcoma
- B. B-cell lymphoma
- C. Leukemia
- D. Burkitt's lymphoma

ANSWER – A

151- Food poison is caused by ..

- A Clostridium perfringens
- B. Clostridium botulism
- C. Corynebacteriumdiphtherae
- D. Clostridium tetani

ANSWER – B

152 -Which of the following is used for sterilization of ystoscopesendo scopes and bronchoscopes?

- A Gluteraldehyde
- 3. Ethanol
- C Methanol
- D Ethylene oxide

ANSWER – A

153. Method of sterilization used for culture media is...

- A Autoclave
- B. Hot air oven
- C. Pasteurization
- D. None of the above

ANSWER – A

154. Which of the following is LIVE ATTENUATED VACCINE?

- A BCG vaccine
- B. Rabies vaccine
- C Diphtheria toxoid
- D.Tetanustoxoid

ANSWER – A

155- Which of the following single dose is sufficient for immunization

- A Live attenuated vaccine

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- B Killed vaccine
- C. Taxoids
- D. None of the above

ANSWER – A

156- The method of killing of all microorganisms including their spores is known as

- A. Sterilization
- B. Disinfection
- C. incineration
- D. Lysis

ANSWER – A

157. The method of reducing the number of pathogens from any article, surface or medium is called as

- A Sterilization
- B. Disinfection
- C. Incineration
- D. lysis

ANSWER – B

158. The causative agent of Tuberculosis (T.B.) is

- A. Mycobacterium tuberculosis
- B. Mycobacterium leprae
- C. Treponemapallidum
- D. Borrelia species

ANSWER – A

159. The causative agent of Syphilis is

- A. Mycobacterium tuberculosis
- B. Mycobacterium leprae
- C. Treponemapallidum
- D. Borrelia species

ANSWER – C

160. VDRL test is used for the diagnosis of

- A. Syphilis
- B. Tuberculosis

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- C. Pneumonia
- D. AIDS

ANSWER – A

161. Which of the following is moist heat method of sterilization?
- A. Boiling
 - B. Autoclaving
 - C. Hot air oven
 - D. Both a & b

ANSWER – D

162. Temperature range used for autoclaving is....
- A. 100°C for 10 min
 - B. 100°C for 30 min
 - C. 121°C for 15 min
 - D. 121°C for 30 min

ANSWER – C

163. ELISA is used for the diagnosis of
- A. AIDS
 - B. Night blindness
 - C. Sickle cell anaemia
 - D. All of the above

ANSWER – A

164. Name the first organic acid produced by microbial fermentation.
- A. Acetic acid
 - B. Lactic acid
 - C. Butyric acid
 - D. None of the above

ANSWER – B

165. The most common viral cause of gastroenteritis:
- A. Rotavirus
 - B. Norwalk virus
 - C. Adenovirus
 - D. Hepadnavirus

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ANSWER – A

166. All are true about SARS EXCEPT:

- A Epidemic is seen in India
- B. Spreads by droplet
- C Diagnosed by PCR
- D. Caused by a type of coronavirus

ANSWER – A

167. Perinatal Hepatitis B transmission is maximum in

- A 1st trimester
- B. 2-trimester
- C. 3 trimester
- D. During delivery

ANSWER – D

168. Which Hepatitis virus is associated with highest mortality in pregnancy?

- A Hepatitis A
- B Hepatitis B
- c. Hepatitis C
- D. Hepatitis E

ANSWER – D

169. Hepatitis virus that spreads by fecal-oral route:

- A. Hepatitis A
- B. Hepatitis B
- C. Hepatitis C
- D. Hepatitis D

ANSWER – A

170. Acute hepatitis B infection is best diagnosed by:

- A HBsAg
- B HBeAg
- C. IgM Anti HBc antibody
- D.HBcAg

ANSWER – C

171. Which parameter is not included in HAI surveillance?

- A CA-UTI (catheter associated urinary tract infection)

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- B. CLABSI (central line associated bloodstream infection)
- C. VAP (ventilator associated pneumonia)
- D. Open wound infections

ANSWER – D

172. Hand rub should not be used in which condition?
- A. Before touching patient
 - B. After touching patient
 - C. After touching patient's surrounding
 - D. Hands are visibly soiled

ANSWER – D

173. How many moments of hand hygiene have been laid down by WHO?
- A. 5
 - B. 6
 - C. 7
 - D. 8

ANSWER – A

174. Which antibody crosses placenta?
- A. IgA
 - B. IgG
 - C. IgE
 - D. IgM

ANSWER – B

175. Which is an example of surface Ig?
- A. IgA
 - B. IgG
 - C. IgE
 - D. IgM

ANSWER – A

176. Type I hypersensitivity is mediated by which of the following immunoglobulins?
- A. IgA
 - B. IgG
 - C. IgM
 - D. IgE

ANSWER – D

177. Wheal and flare is which type of hypersensitivity reaction:

- A Type I
- B Type II
- C. Type IV
- D. Type V

ANSWER – A

178. Type I hypersensitivity includes all of the following except:

- A. Autoimmune hemolytic anemia
- B. Anaphylaxis
- C. Extrinsic asthma
- D. Hay fever

ANSWER – A

179. A positive tuberculin test is an example of:

- A. Type I hypersensitivity
- B. Type II hypersensitivity
- C. Type III hypersensitivity
- D. Type IV hypersensitivity

ANSWER – D

180. Application of skin graft for the second time from the same donor will result in:

- A. First set rejection
- B. Second set rejection
- C. Both
- D. None

ANSWER – B

181. Transplantation between members with same genetic constitution is known as:

- A Autograft
- B. Isograft
- C. Allograft
- D. Xenograft

ANSWER – B

182. All of the following are live-attenuated vaccines except:

- A MMR

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- B. Yellow fever 17D vaccine
- C. Salk polio vaccine
- D. Sabin polio vaccine

ANSWER – C

- 183 : Amphitrichous flagella means
- Flagella all-round the cell
 - Flagella at both ends
 - Flagella at one end
 - D. Flagella in tufts

ANSWER – B

- 184: When Flagella is present all around the cell it is called
- A Amphitrichous
 - B. Monotrichous
 - C Peritrichous
 - D. Lopotrichous

ANSWER – C

- 185: India ink is used to demonstrate the following part of bacteria
- A. Cell wall
 - B. Nucleus
 - C. Capsule
 - D. Flagella

ANSWER – C

186. Reflected light is used in
- A. Light microscope
 - B. Phase contrast microscope
 - C. Darkfield microscope
 - D. Electron microscope

ANSWER – C

- 187 . Bacteria that grow between 25 to 40'C are
- A Capnophilic
 - B. Psychophilic
 - C Thermophilic
 - D. Mesophilic

Answer- D

188:-RPR and VDRL tests are done for the diagnosis of

- A:-AIDs
- B:-Hepatitis
- C:-Syphilis
- D:-Malaria

Correct Answer:- Option-C

189:-All the following are examples of blood parasites except

- A:-Plasmodium
- B:-Brugia malayi
- C:-Leishmania
- D:-Giardia lamblia

Correct Answer:- Option-D

190:-The fixative used for blood containing specimen is

- A:-Carnoy's fluid
- B:-95% ethyl alcohol
- C:-10% formalin
- D:-Zenker's fluid

Correct Answer:- Option-A

191:-Staining technique for assessment of hormonal status is

- A:-Pap stain
- B:-Shorrs stain
- C:-H & E stain
- D:-JSB stain

Correct Answer:- Option-B

192:-The 'word' which refers to the 'closeness of a result on repeated analysis' is

- A:-accuracy
- B:-sensitivity
- C:-precision
- D:-specificity

Correct Answer:- Option-C

193:-'Mycology' means the study of

- A:-bacteria
- B:-immunity
- C:-parasites
- D:-fungus

Correct Answer:- Option-D

194:-Infections induced by a 'physician' is known as

- A:-iatrogenic
- B:-nosocomial
- C:-congenital

D:-subclinical

Correct Answer:- Option-A

195:-The enzyme estimation done for the diagnosis of pancreatitis

A:-acid phosphatase

B:-amylase

C:-alkaline phosphatase

D:-creatinine kinase

Correct Answer:- Option-B

196:-The basic component of Leishman's stain is

A:-cosin

B:-malachite green

C:-methelene blue

D:-none of the above

Correct Answer:- Option-C

197:-Name the blood cells increased in asthma

A:-basophil

B:-neutrophil

C:-lymphocyte

D:-cosinophil

Correct Answer:- Option-D

198:-Intermediate host of plasmodium is

A:-man

B:-female anopheles mosquito

C:-male anopheles mosquito

D:-none of the above

Correct Answer:- Option-A

199:-Which of the following is a Romanowsky stain

A:-Leishmans stain

B:-Giemsas stain

C:-Jenners stain

D:-All the above

Correct Answer:- Option-D

200:-In Wintrob's mixture, ammonium oxalate and potassium oxalate is mixed in the ratio

A:-2 : 3

B:-3 : 2

C:-1 : 4

D:-2 : 1

Correct Answer:- Option-B

