PREVIOUS YEAR PAPER

DSSSB Technical Assistant (Medical Lab Technology) 2021 — 1 August 2021

DSSSB Other Posts · 1 August 2021

166 of the paper's 200 questions · +1 for a correct answer, −0.25 for a wrong one · 120 minutes

Left out of the original paper: 34 (any question that needs a figure, a symbol or formatting we cannot show, or whose text did not read back cleanly from the booklet).

Questions from the Delhi Subordinate Services Selection Board's paper of 1 August 2021. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/dsssb-other-posts/previous-year-papers/dsssb-other-posts-2021-technical-assistant-medical-lab-technology-1-aug/

General Awareness

1. Buiya is a popular dance form that originated in which of the following states?
   (a) Arunachal Pradesh
   (b) Assam
   (c) West Bengal
   (d) Mizoram
   Answer: (a)

2. _____ is a ritualistic and folk theatre form of nce in Goa based on mythological stories from the popular Indian epics, the Ramayana and th ahabharata.
   (a) Jagar
   (b) Jhora
   (c) Ranmale
   (d) Kumi
   Answer: (c)

3. Which among the following banks merged with Canara Bank in 2021?
   (a) Syndicate Bank
   (b) Allahabad Bank
   (c) Andhra Bank
   (d) Corporation Bank
   Answer: (a)

4. _____ is the sum of all goods and services produced at constant prices.
   (a) Potential Gross Domestic Product
   (b) Actual Gross Domestic Product
   (c) Real Gross Domestic Product
   (d) Nominal Gross Domestic Product
   Answer: (c)

5. Which among the following statements is incorrect?
   (a) The Mesosphere is found above the stratosphere.
   (b) Stratosphere is the third layer of the atmosphere.
   (c) Mesosphere is the coldest of the atmospheric layers.
   (d) The ozone layer is found in Stratosphere.
   Answer: (b)

6. _____ is also known as Achromatopsia.
   (a) Colour-blindness
   (b) Chicken pox
   (c) Mumps
   (d) Leprosy
   Answer: (a)

7. Which among the following pairs of desert and country is incorrect?
   (a) Great Basin Desert - United States of America
   (b) Great Victoria Desert - Argentina
   (c) Mojave Desert - United States of America
   (d) Taklamakan Desert - China
   Answer: (b)

8. The famous Hundru Falls is located in which of the owing states?
   (a) West Bengal
   (b) Bihar
   (c) Assam
   (d) Jharkhand
   Answer: (d)

9. Who among the following was the founder of the Karkota dynasty?
   (a) Durlabhvardhana
   (b) Durlabahaka
   (c) Shankarvarman
   (d) Avanativarmana
   Answer: (a)

10. Dadabhai Naoroji started the newspaper Voice of India in _____.
   (a) 1897
   (b) 1892
   (c) 1887
   (d) 1883
   Answer: (d)

11. Who among the following Governor Generals ended the policy of non-intervention?

(a) Lord Dalhousie
(b) Lord Curzon
(c) Lord Hastings
(d) Lord Bentinck

Answer: (c)

12. Who among the following was the first Indian born to receive the Booker prize?

(a) Gobind Behari Lal
(b) Anita Desai
(c) Salman Rushdie
(d) Amitava Ghosh

Answer: (c)

13. No spin' is an autobiography of which of the following sports person?

(a) Shane Warne
(b) Ricky Ponting
(c) Shahid Afridi
(d) Kapil Dev

Answer: (a)

14. Which among the following countries launched a l g March-4B rocket carrying the Haiyang-2D (HY-2D) satellite?

(a) China
(b) Russia
(c) Malaysia
(d) United States of America

Answer: (a)

15. _____ has developed "AmbiTAG" which is India's first indigenous temperature data logger developed for cold chain management in 2021.

(a) Indian Institute of Technology Kharagpur
(b) Indian Institute of Technology Ropar
(c) Indian Institute of Technology Madras
(d) Indian Institute of Technology Delhi

Answer: (b)

16. Which among the following countries launched its most powerful supercomputer named Simorgh?

(a) United States of America
(b) United Arab Emirates
(c) Iraq
(d) Iran

Answer: (d)

17. Who among the following was the first Law Minister of India?

(a) Rajendra Prasad

(b) Bhimrao Ramji Ambedkar

(c) Sardar Vallabhbhai Patel

(d) Jawaharlal Nehru

Answer: (b)

18. Article _____ of the Indian Constitution deals with National Emergency.

(a) 356

(b) 348

(c) 352

(d) 360

Answer: (c)

19. _____ was awarded the 2021 edition of the Players' Cap. This award is given to the player who gets the maximum votes by the New Zealand players and support staff as their 'cricketer of the year'.

(a) Stephen Fleming

(b) Trent Boult

(c) Kyle Jamieson

(d) Lockie Ferguson

Answer: (c)

20. Who among the following earned the nickname 'The Rawalpindi Express"?

(a) Shoaib Akhtar

(b) Mohammad Hafeez

(c) Umar Gul

(d) Kamran Akmal

Answer: (a)

General Ability

21. Complete the following Alpha Numeric series:
B10E, H88K, N238Q, ?

(a) T460W

(b) T455V

(c) T506W

(d) T441W

Answer: (a)

22. Complete the following Alpha Numeric series:
C23, E32, H41, L14, Q56, ?

(a) W64
(b) W65
(c) X65
(d) Y65

Answer: (b)

23. Which one is odd in the following names:
Car, Motorcycle, Jeep, Truck

(a) Motorcycle
(b) Car
(c) Jeep
(d) Truck

Answer: (a)

24. Which one is odd in the following names:
Shirt
Trouser
Jacket
Sweater

(a) Shirt
(b) Jacket
(c) Trouser
(d) Sweater

Answer: (c)

25. Select the option that is related to the fourth term on the same basis as the second term is related to the first term.
Lion : Prowl :: ? : Trot

(a) Dog
(b) Tiger
(c) Horse
(d) Goat

Answer: (c)

26. Select the option that is related to the third term on the same basis as the second term is related to the first term.
BQDO : RGTE :: ANSV : ?

(a) ZDQV
(b) ZVQD
(c) ZQVD
(d) ZQDV

Answer: (b)

27. In a certain code 'PENTAGON' is written as '57552176', then how will 'UMBRELLA' be written in that code?

(a) 33429533
(b) 13429533
(c) 31342953
(d) 13249533

Answer: (b)

28. In a certain code 'ENTER' is written as '62', then how will 'EXIT' be written in that code?

(a) 72
(b) 58
(c) 49
(d) 83

Answer: (b)

29. Six persons are sitting in a row. They are G, H, I, J, K and L. I is not sitting beside J who is sitting on the extreme right. K is between G and I. G is not sitting beside L and J. H is between L and J. Who is to the immediate right of G?

(a) H
(b) J
(c) L
(d) K

Answer: (d)

30. A is the only child and son of C. F is the daughter of the child of G who is the husband of C. How is F is related to A?

(a) Daughter
(b) Father
(c) Mother
(d) Son

Answer: (d)

31. In the question four statements are given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement.
Statements: I. Some Papers are Pens.
II. Some Pens are calculators.
III. All calculators are bulbs.
IV. No bulb is torch.
Conclusion: I. Some bulbs are Papers.
II. No calculator is a torch.

(a) Only (I) follow
(b) Only (II) follow
(c) Either (I) or (II) follow
(d) Neither (I) nor (II) follow

Answer: (b)

32. In the question four statements are given, followed by four conclusions, I, II, III and IV. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement.
Statements: I. Some men are girls.
II. Some girls are foolish.
III. All foolish are mad.
IV. Some mad are bad.
Conclusion: (I) Some girls are definitely mad.
(II) Most of the mad are foolish.
(III) At least some girls are men.
(IV) All foolish except few are girls.

(a) None follow

(b) Only (I) follow

(c) Only (II) follow

(d) All follows

Answer: (d)

33. Complete the following number series.
?, 152, 296, 584, 1160, 2312

(a) 78

(b) 82

(c) 80

(d) 84

Answer: (c)

34. Complete the following number series.
4,12, 23, 43, 90, 218, ?

(a) 321

(b) 425

(c) 589

(d) 529

Answer: (c)

Arithmetic Ability

41. Three runners start their practice on a circular track. They take 36 seconds, 45 seconds and 54 seconds respectively to complete their respective rounds. They start their practice at 6 AM. At what time, will they meet 5th time during their practice?

(a) 6:09 AM

(b) 6:18 AM

(c) 6:30 AM

(d) 6:45 AM

Answer: (d)

42. Find the remainder when the largest 5-digit number which is divisible by 12 is divided by 16.

(a) 10

(b) 12

(c) 14

(d) 16

Answer: (b)

44. The numbers from 21-100 are taken into consideration. What percentage of the sum of the biggest 2 prime numbers is approximately the sum of the smallest 2 prime numbers?

(a) 26%

(b) 28%

(c) 30%

(d) 32%

Answer: (b)

45. Y spends 45% of his income on food. 60% of the remaining income is spent on rent and 50% of the remaining income is spent on stationery and the rest is saved. If the saved amount is Rs 550, then find the amount spent on rent?

(a) Rs 1,100

(b) Rs 1,280

(c) Rs 1,650

(d) Rs 1,800

Answer: (c)

46. A profit of 25% on the selling price was made when a good was sold for Rs 800. Find the selling price if the good was sold for a loss of 5%.

(a) Rs 540

(b) Rs 555

(c) Rs 570

(d) Rs 585

Answer: (c)

47. A stationery seller bought 60 pencils and sold them at a profit of 25%. How many pencils did he sell to cover his costs?

(a) 40

(b) 42

(c) 45

(d) 48

Answer: (d)

48. Two liquids, A and B are mixed in the ratio of 5:7 to give a mixture of 2400 ml. What quantity of A should be added to the mixture to reverse the ratio?

(a) 0.60
(b) 0.72
(c) 0.84
(d) 0.96

Answer: (d)

49. X can run a jogging track of 2 kms in 8 minutes 20 seconds while Y can do it 12 minutes 30 seconds. Find the ratio of the speeds of X and Y.

(a) 2:3
(b) 3:2
(c) 1:2
(d) 2:1

Answer: (b)

50. The compound interest on a certain principal for 3 years at 20% is Rs 36,400. Find the simple interest on the same principal at double the rate of interest and double the time period.

(a) Rs 72,000
(b) Rs 60,000
(c) Rs 1,44,000
(d) Rs 1,20,000

Answer: (d)

51. What is the difference between the sim and npound interest per annum compounded annually at 30% for 2 years on a principal o 0?

(a) Rs 450
(b) Rs 650
(c) Rs 225
(d) Rs 325

Answer: (a)

52. A train running at a speed of 108 kmph crosses a pole in 5 seconds. Find the length of the train.

(a) 150 m
(b) 162 m
(c) 175 m
(d) 180 m

Answer: (a)

53. A public bus covers a distance of 45 kms in 30 mins. A private bus is 20% faster than a public bus. In how much time can a private bus cover 90 kms?

(a) 45 minutes
(b) 50 minutes
(c) 54 minutes
(d) 60 minutes

Answer: (b)

54. X alone can do a job in 10 days while working for 12 hours daily and Y can do it in 15 days working for 10 hours daily. In how many days can they do the job alone if they work for 15 hours daily?

(a) 20/9
(b) 20/3
(c) 40/9
(d) 40/3

Answer: (c)

56. Find the smaller diagonal of a rhombus if the bigger diagonal is twice the smaller diagonal and the area of the rhombus is 100 sq cm.

(a) 5 cm
(b) 20 cm
(c) 2.5 cm
(d) 10 cm

Answer: (d)

57. How many small cuboids of measurement , 9 cm and 6 cm respectively can make up 1 big cuboid of 6 m, 4.5 m and 1.5 m?

(a) 50,000
(b) 62,500
(c) 75,000
(d) 87,500

Answer: (b)

General English

81. The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.
She said that, "she/ was visiting Paris/ the following weekend."

(a) She said that, "she
(b) was visiting Paris
(c) the following weekend."
(d) No Error

Answer: (a)

82. The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.
Instead of making adjustments/ depending on who we play, we're/ going to master our system.

(a) Instead of making adjustments

(b) depending on who we play, we're

(c) going to master our system.

(d) No Error

Answer: (b)

83. Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.
What bothered me was not so much (what he said yet how he said it).

(a) so what he said but in fact how he said it

(b) what he said though how he said it

(c) what he said as how he said it

(d) No correction required

Answer: (c)

84. Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.
Meg (met Sarah before you introduced her to) us in th office.

(a) had met Sarah before you had introduced he

(b) met Sarah before you introduced her with

(c) had met Sarah before you introduced

(d) No correction required

Answer: (c)

85. Fill in the blank with the most appropriate choice
His _____ political history and Arizonan heritage should lead him to embrace a return to the principle and practice of subsidiary federalism.

(a) maverick

(b) limerick

(c) strict

(d) trick

Answer: (a)

86. Fill in the blank with the most appropriate choice
After the coup, he ran a newspaper stand, which functioned as a letter drop for the _____ Communist Party.

(a) celestine

(b) destine

(c) adamantine

(d) clandestine

Answer: (d)

87. The question below consist of a set of labelled sentences. Out of four options given, select the most logical order of the sentences which form a paragraph.
While still in high school, Bezos developed the Dream Institute, a centre that promoted creative thinking in young students.
P. After graduating (1986) summa cum laude from Princeton University with degrees in electrical engineering and computer science, he undertook a series of jobs before joining the New York investment bank D.E. Shaw & Co. in 1990.
Q. In 1994 he quit D.E. Shaw and moved to Seattle, Washington, to open a virtual bookstore.
R. Soon named senior vice president—the firm's youngest—Bezos was in charge of examining the investment possibilities of the Internet.
S. Its enormous potential—Web usage was growing by more than 2,000 percent a year—sparked his entrepreneurial imagination.
Working out of his garage with a handful of employees, Bezos began developing the software for the site. Named after the South American river, Amazon sold its first book in July 1995.

(a) PRSQ
(b) QPRS
(c) PSRQ
(d) RPQS

Answer: (a)

88. Select the word that is similar in meaning (SYNONYM) to the word given below Tumultuous

(a) Moderate
(b) Restrained
(c) Mellow
(d) Disorderly

Answer: (d)

89. Select the word that is opposite in meaning (ANTONYM) to the word given below Wane

(a) Diminish
(b) Intensify
(c) Contract
(d) Evanesce

Answer: (b)

90. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

(a) consummete
(b) conssummate
(c) consumate
(d) consummate

Answer: (d)

91. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

(a) litagious
(b) litigious
(c) litogious
(d) littigious

Answer: (b)

92. Select the most appropriate meaning of the given idiom Turn a blind eye

(a) Tricking someone as a joke.
(b) To stop something. To bring something to an end.
(c) To shut-up or be quiet.
(d) Refuse to acknowledge something you know is real or legit.

Answer: (d)

93. Select the most appropriate meaning of the given idiom Till the cows come home

(a) A long time.
(b) An offer or deal that is declined right now but willing to accept later.
(c) Destroy or ruin a plan.
(d) To tell noisy person or a group to be quiet.

Answer: (a)

94. Select the most appropriate 'one word ' for the e essions given below Difference between two opposite things; a division into two opposite gr s

(a) Anatomy
(b) Lobotomy
(c) Dichotomy
(d) Mastectomy

Answer: (c)

95. Select the most appropriate 'one word ' for the expressions given below Delay doing something until a later time because one does not want to do it, because one is lazy

(a) Resuscitate
(b) Inundate
(c) Infallible
(d) Procrastinate

Answer: (d)

97. Which of the following is a lung condition?

(a) Psoriasis
(b) Arrhythmia
(c) Unstable angina
(d) Bronchitis

Answer: (d)

98. Which is the worst affected organ of the human body due to indoor air pollution?

(a) Lungs
(b) Eyes
(c) Skin
(d) Nose

Answer: (a)

100. How many litres of air does an average human breathes every year?

(a) 4 million
(b) 5 million
(c) 6 million
(d) 3 million

Answer: (a)

Discipline1

101. Paracetamol, some cold and flu remedies, and vitamin supplements come under which category of drugs?

(a) Prescription Only Medicines
(b) Controlled Drugs
(c) General Sales List (GSL)
(d) Pharmacy Medicines

Answer: (c)

102. Psycho-active drugs do not include w[illegible]on[illegible] these?

(a) Alcohol
(b) Nicotine
(c) Cannabis
(d) Amoxycillin

Answer: (d)

103. Autoimmune hemolytic anaemia are caused by antibodies directed against the patient's own _____.

(a) RBCs
(b) WBCs
(c) Platelets
(d) Macrophages

Answer: (a)

104. Which of these means "arrest of bleeding"?

(a) Haemolysis
(b) Haemostasis
(c) Haemophilia
(d) Haemoconia

Answer: (b)

105. All the following tests are done before blood donation except_____.
(a) ABO group typing
(b) Screening for current or past infections
(c) Rh typing
(d) CBC count
Answer: (d)

106. The blood clotting proteins found in cryo include all of these other than _____.
(a) Fibrinogen
(b) Factor VIII
(c) Dystrophin
(d) Von Willebrand factor
Answer: (c)

107. _____is the volume of red blood cells in your body.
(a) Hematocrit
(b) Haemophilia
(c) Haemoglobin
(d) Lymphoma
Answer: (a)

108. After completion of their life span the RBC's are r oved by the macrophages of ____.
(a) kidney
(b) intestine
(c) liver and spleen(extravascular).
(d) bile duct
Answer: (c)

109. Which of these blood components do not have a nucleus?
(a) Plasma
(b) Erythrocytes
(c) Platelets
(d) Leucocytes
Answer: (b)

110. Coffee bean shape is characteristic of which of these bacteria?
(a) Neisseria
(b) Cornybacteria
(c) Mycobacteria
(d) Spirilla
Answer: (a)

111. All the following are characteristics of stationary phase in cell growth except _____.
(a) Cells are frequently gram variable
(b) Show irregular staining
(c) Sporulation occurs at this stage
(d) Population decreased due to cell death
Answer: (d)

112. Branching filamentous bacteria are called _____.
(a) Mycobacteria
(b) Actinomycetes
(c) Neisseria
(d) Cornybacteria
Answer: (b)

113. DPT or triple vaccine given to kids does not contain which one of these?
(a) Diphtheria toxiod
(b) Mycobacterium
(c) Pertussis vaccine
(d) tetanus toxoid
Answer: (b)

114. Scarlet fever is caused by which of these?
(a) Streptococcus pyogenes
(b) Staphylococcus aureus
(c) Corynebacterium diphtheria
(d) Clostridium difficile
Answer: (a)

115. Which of these is not a Spirochete?
(a) Treponema
(b) Neisseria
(c) Borrelia
(d) Leptospira
Answer: (b)

116. Which of these are store houses of inflammatory mediators that are released during IgE mediated hypersensitivity reactions and responsible for the associated inflammatory response and tissue injury?
(a) Neutrophils
(b) Basophils
(c) Eosinophils
(d) Lymphocytes
Answer: (b)

117. Presence of which of these is useful in diagnosis of congenital infections such as syphilis, rubella, HIV infection and toxoplasmosis?

(a) IgM
(b) IgE
(c) IgD
(d) IgA

Answer: (a)

118. Which of these is the major Immunoglobulin in colostrums, saliva and tears?

(a) IgM
(b) IgE
(c) IgD
(d) IgA

Answer: (d)

119. Indirect Antiglobulin Test (IAT) is used to _____.

(a) detect presence of IgG antibody in serum (in vitro sensitization)
(b) detect in vivo antibody sensitization of RBCs
(c) detect in vivo antibody sensitization of WBCs
(d) detect presence of IgA antibody in serum (in vitro sensitization)

Answer: (a)

120. Antiglobulin test is used to detect _____.

(a) Neutrophils
(b) Macrophages
(c) Incomplete RH antibodies
(d) Platelets

Answer: (c)

Discipline2

121. The stool samples containing the ova and cysts of parasites can be preserved by using one of the following methods except _____.

(a) 10% formol saline
(b) Potassium Chloride
(c) Polyvinyl alcohol (PVA)
(d) Merthiolate-iodine formalin

Answer: (b)

122. The life cycle of plasmodium is spent in which two hosts?

(a) Human and pig
(b) Pig and anopheles mosquito
(c) Human and anopheles mosquito
(d) Anopheles mosquito and Sheep

Answer: (c)

123. Which of these is to be collected from all patients with clinical features compatible with measles?

(a) Throat swab specimen
(b) Throat swab specimen and a blood specimen
(c) Blood specimen
(d) Urine Specimen

Answer: (a)

124. The virion consists essentially of a nucleic acid surrounded by a protein coat, called _____.

(a) Pellet
(b) Troche
(c) Capsaicin
(d) Capsid

Answer: (d)

125. Which of these is NOT a high-level indicator of Animal welfare?

(a) Appearance
(b) Quality of experimental results
(c) Environment within the enclosure
(d) Body functions

Answer: (c)

126. Which of these is NOT a benefit of Positive Reinforcement Training (PRT) of animals?

(a) Benefits animal welfare
(b) Minimizes physiological changes in animals
(c) Reduce the number of animals required for the research
(d) Increases the variability in experimental data

Answer: (d)

127. Which of these is a lab based supplementary test for the diagnosis of TB in cattle?

(a) The interferon beta blood test
(b) The interferon gamma blood test
(c) The interferon alpha blood test
(d) The interferon delta blood test

Answer: (b)

128. The average life span of RBC is ____.

(a) 100-120 hrs
(b) 100-120 days
(c) 80-100 hrs
(d) 80-100 days

Answer: (b)

129. Which of these is not a function of platelets?
(a) Playing a central role in normal hemostasis
(b) Playing a central role in thermo regulation
(c) forming a primary hemostatic plug.
(d) Adhering to subendothelial collagen
Answer: (b)

130. Structure of Haemoglobin in adults is represented by which of these?
(a) α2β2
(b) α2γ2
(c) ζ2γ2
(d) α2ζ2
Answer: (a)

131. Which of these is not used for the estimation of haemoglobin based on development of color?
(a) Cyanmethemoglobin method
(b) Alkaline hematin method
(c) Oxyhemoglobin method
(d) Rapid assay method
Answer: (d)

132. Purple capped Vacuum tubes have which of thes[illegible]s an Anticoagulant?
(a) Sodium citrate
(b) EDTA
(c) Sodium chloride
(d) Fluoride
Answer: (b)

133. Which of these tests is associated with Diabetes Mellitus?
(a) Cholesterol
(b) Hb A1c
(c) Troponin
(d) Calcitonin
Answer: (b)

134. Mean corpuscular volume (MCV) is the _____.
(a) calculated measurement of the average amount of haemoglobin
(b) variation in the size of red blood cells
(c) measurement of the average size of red blood cells
(d) total number of white blood cells
Answer: (c)

135. Which of these terms implies uncontrolled proliferation of cells?

(a) Neoplastic
(b) Congenital
(c) Degenerative
(d) Inflammatory

Answer: (a)

136. Programmed cell death is also known as ____.

(a) Pneumoconiosis
(b) Anastomosis
(c) Apoptosis
(d) Osmosis

Answer: (c)

137. Xerophthalmia is the deficiency of which of these?

(a) Vitamin A
(b) Vitamin B
(c) Vitamin C
(d) Vitamin E

Answer: (a)

138. SGPT and SGOT are enzymes found in which org[illegible]?

(a) Kidney
(b) Liver
(c) Muscles
(d) Heart

Answer: (b)

139. Which of these is not possible while examining bacteria under the compound microscope?

(a) Living state or fixed with staining
(b) Wet films
(c) Shape and size outline
(d) Excellent contrast to examine detailed morphology

Answer: (d)

140. Phase contrast microscope is based on which of these techniques?

(a) reflected light
(b) refractive index
(c) electron beam
(d) neutron beam

Answer: (b)

Discipline3

141. Platelets formed from cells in the bone marrow called as ____.

(a) Myelocyte
(b) Leukocyte
(c) Megakaryocytes
(d) Mmyeloblast

Answer: (c)

142. Which of these is not a Delayed Transfusion reaction?

(a) Hyperkalemia
(b) Post transfusion purpura
(c) Immunomodulation
(d) Pulmonary microembolisation

Answer: (a)

143. The primary food sources of which of these vitamin is milk and other dairy?

(a) Vitamin A
(b) Vitamin B
(c) Vitamin C
(d) Vitamin D

Answer: (d)

144. _____ is a polysaccharide which is pre nt in the structural elements of plants.

(a) Sugar
(b) Starch
(c) Cellulose
(d) Fats

Answer: (c)

145. Pathogenesis does not depend on which one of these?

(a) Immune status of host
(b) Nature of species
(c) Number of pathogenic organisms in the initial exposure
(d) Number of hosts in the initial exposure

Answer: (d)

146. Which of these is not a step involved in the pathogenesis of the bacteria?

(a) Transmission
(b) Colonisation
(c) Adhesion
(d) Encapsulation

Answer: (d)

147. Which of these is not one of Koch's Postulates?

(a) The organism must always be found in humans with the infectious disease but not found in healthy ones.

(b) The organism isolated in pure culture must initiate disease when reinoculated into susceptible animals.

(c) The organism should not be re-isolated from the experimentally infected animals.

(d) The organism must be isolated from humans with the infectious disease and grown in pure culture.

Answer: (c)

149. The process by which the specimens are inspected with bare eyes to obtain diagnostic information is called_____.

(a) Embedding

(b) Grossing

(c) Labelling

(d) Section cutting

Answer: (b)

150. Which of these stimulates incorporation of calcium in bone?

(a) Creatitine

(b) Haemoglobin

(c) Calcitonin

(d) Niacin

Answer: (c)

151. Bilirubin is a byproduct of the normal bre[illegible] of _____.

(a) bile

(b) red blood cells

(c) creatine

(d) sugar

Answer: (b)

152. The mass of a substance especially in grams is chemically equivalent to _____.

(a) eight grams of hydrogen or one gram of oxygen

(b) eight grams of oxygen or one gram of sodium

(c) eight grams of oxygen or one gram of hydrogen

(d) eight grams of carbon or one gram of hydrogen

Answer: (c)

153. Minimum Inhibitory Concentration refers to _____.

(a) lowest concentration of an antibiotic that will inhibit the growth of a bacterial strain.

(b) lowest concentration of the antibiotic that will kill a bacterial strain.

(c) lowest concentration of the antibiotic that will kill a viral strain.

(d) breakpoint concentration of the antibiotic

Answer: (a)

154. Mycobacterial infection. Eg. Tuberculosis, leprosy is detected by which of these?

(a) Albert staining
(b) Negative Staining
(c) Gram Staining
(d) Acid fast stain

Answer: (d)

155. An estrogen test is a way for your doctor to help check on concerns with all of these other than _____ .

(a) puberty
(b) arthritis
(c) fertility
(d) menopause

Answer: (b)

156. A man might have an estrogen test to check all of the following except?

(a) Check if puberty is delayed
(b) Diagnose enlarged male breasts
(c) Find if high estrogen levels are due to low levels of testosterone or androgen
(d) to check for abrupt mood swings

Answer: (d)

157. Which of these is not a kind of Pacemaker?

(a) Single-chamber pacemaker
(b) Mitral Pacemaker
(c) Biventricular pacemaker
(d) Dual-chamber pacemaker

Answer: (b)

158. Possible risks of cardiac pacemaker do not include which of these?

(a) Infection
(b) Blood Clot
(c) Air Leak
(d) Irregular heart beat

Answer: (d)

159. All strains grow in presence of 6.5% NaCl and are bile-aesculin test positive of which of these bacteria?

(a) Neisseria
(b) Cornybacteria
(c) Mycobacteria
(d) Enterococci

Answer: (d)

160. Lophotrichous bacteria have which of these?

(a) a tuft of flagella on one side
(b) single or tuft on both sides
(c) surrounded by lateral flagella
(d) single flagella on one side

Answer: (a)

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161. Bacteria which show grape like cluster arrangement are termed as _____.

(a) Staphylococci
(b) Streptococci
(c) Sarcina
(d) Diplococci

Answer: (a)

162. Doctors use chest X-ray to do all of these other than ____.

(a) Look at chest bones, heart, and lungs
(b) Check on any catheters and chest tubes
(c) Check heartbeat
(d) Check if pacemaker, defibrillator, or other heart devices are in place

Answer: (c)

163. An X-ray is the most common first test for lung problems. It can identify all of these other than _____.

(a) Pulmonary embolism
(b) Air or fluid in the chest, fluid in the lung
(c) Pneumonia
(d) Lesions

Answer: (a)

164. Which of these is not detected by X-Ray?

(a) Arthritis
(b) Fractures and infections
(c) Dental decay
(d) Arrhythmia

Answer: (d)

165. The _____ is the long bone between the shoulder and the elbow.

(a) humerus
(b) radius
(c) ulna
(d) scaphoid

Answer: (a)

166. Which of these is not classified as genitalia and external reproductive structures?

(a) Penis

(b) Mammary glands

(c) Vulva

(d) Clitoris

Answer: (b)

167. The flesh that hangs in the back of your throat and helps to swallow and speak is called _____.

(a) Urethra

(b) Ureter

(c) Uvula

(d) Ulna

Answer: (c)

168. Which of these is the inner layer of the kidney?

(a) Medulla

(b) Renal Cortex

(c) Gonads

(d) Thorax

Answer: (a)

169. Steps of biomedical waste management include of these other than _____.

(a) segregation

(b) storage and transport

(c) generation

(d) disposal

Answer: (c)

170. The colour of the bag used to throw Chemical waste and Incineration ash is _____.

(a) Black

(b) pink

(c) green

(d) blue

Answer: (a)

171. Which of these is not an aspect of Safe Handling of Blood/Body Fluid Spills?

(a) Cover spills of infected or potentially infected material on the floor with paper towel/ blotting paper/ newspaper.

(b) Pour 1% sodium hypochlorite solution on and around the spill area and cover with paper for at least 30 minutes.

(c) Pour 1% sodium chloride solution on and around the spill area and cover with paper for at least 30 minutes.

(d) Use gloves to pick up the news paper etc which is in contact with the spill

Answer: (c)

172. Untreated Bio medical waste should not be stored beyond _____hrs.

(a) 24

(b) 48

(c) 72

(d) 96

Answer: (b)

173. Which of these is expressed as the concentration expressed as the number equivalent weights (equivalents) of solute per liter of solution?

(a) Molarity

(b) Normality

(c) Molality

(d) Percentage

Answer: (b)

174. Valance could be determined as all of these other than _____.

(a) The absolute value of change in charge on a species when undergoing a chemical reaction.

(b) The number of H+ or OH- that a species can react with

(c) The number of neutrons and protons

(d) The absolute value of ion charge

Answer: (c)

175. The use of which of these is limited mainly to th valuation of hepatocellular disorders and skeletal muscle involvement?

(a) Aspartate aminotransferase (AST)

(b) α-Amylase

(c) Alanine aminotransferase (ALT)

(d) Lipase

Answer: (a)

176. Which of these do not belong to the vitamin B-complex group?

(a) Niacin

(b) Riboflavin

(c) Folate

(d) Ascorbate

Answer: (d)

177. _____is a large projection of bone on the back of the elbow. It is a part of the ulna bone and makes the point of the elbow.

(a) Coronoid Process

(b) Medial Epicondyle

(c) Lateral Epicondyle

(d) Olecranon

Answer: (d)

178. Which of these is a chronic (long-term) disorder, causing inflammation in the airways that can make breathing difficult?

(a) Asthma
(b) Fever
(c) Pertusis
(d) Angina

Answer: (a)

179. Tissue flap at the entrance to the trachea that closes when you swallow to keep food and liquids out of your airway is called _____.

(a) Epiglottis
(b) Cilia
(c) Larynx
(d) Bronchioles

Answer: (a)

180. Which of these systems produces gametes?

(a) Nervous system
(b) Reproductive System
(c) Respiratory Systems
(d) Musculoskeletal systems

Answer: (b)

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181. Urine is expelled through the _____out of the body.

(a) Urethra
(b) Ureter
(c) Uvula
(d) Ulna

Answer: (a)

182. Which of these terms refers to low levels of Blood Oxygen?

(a) Necrosis
(b) Gangrene
(c) Hypoxia
(d) Alopecia

Answer: (c)

183. Hormone which is not suppressed by pituitary is _____.

(a) GnRH gonadotropin releasing hormone
(b) FSH follicle stimulating hormone
(c) LH luteinizing hormone
(d) Calcitonin Hormone

Answer: (d)

184. Which of these component of blood pressure results from ventricular contraction of the heart?

(a) Arterial Pressure
(b) Diastolic Pressure
(c) Pulse Pressure
(d) Systolic Pressure

Answer: (d)

185. _____ is the study of microorganisms used in pharmaceutical products, such as vaccines and antibiotics.

(a) Pharmaceutical microbiology
(b) Medical microbiology
(c) Food microbiology
(d) Agricultural microbiology

Answer: (a)

186. Phycology is the study of which of these?

(a) Algae
(b) Fungi
(c) Protozoa
(d) Nematodes

Answer: (a)

187. The study of Fungi such as yeasts and molds is ed_____.

(a) Phycology
(b) Protozoology
(c) Mycology
(d) Parasitology

Answer: (c)

188. Astromicrobiology is the study of _____.

(a) evolution of microorganisms.
(b) origin of life on Earth, and the search for extraterrestrial life.
(c) mathematical/computational modeling of the activities of microbiological systems.
(d) microorganisms responsible for human disease.

Answer: (b)

189. XLD Agar is characteristic by the addition of which of these?

(a) Yeast extract
(b) Blood
(c) Lactose
(d) Antibiotics

Answer: (a)

190. Which of these contains lactose and an indicator system that identifies lactose-fermenting coliforms?

(a) Blood agar

(b) Nutrient Agar

(c) MacConkey agar

(d) Chocolate Agar

Answer: (c)

191. Which of the following precautions need not to be taken into consideration when the culture methods are processed?

(a) Optimal atmospheric conditions

(b) Optimal temperature

(c) Growth requirement of the bacteria

(d) Disease caused by the bacteria

Answer: (d)

192. Which of these is not characteristic of liquid Broth culture?

(a) Easy to detect due to turbidity

(b) Faster growth

(c) Higher sensitivity

(d) Prone to contamination

Answer: (d)

193. Amniocentesis refers to _____.

(a) the surgical insertion of a hollow ne[illegible]thr[illegible]gh the abdominal wall and into the uterus of a pregnant female and the aspiration of flui[illegible]the amniotic sac for analysis

(b) procedure aimed at determining whether a woman is pregnant.

(c) Test for venereal diseases

(d) a long, flexible tube (colonoscope) is inserted into the rectum.

Answer: (a)

194. _____ is a noninvasive device that estimates the amount of oxygen in your blood.

(a) Ophthalmoscope

(b) Pulse oximeter

(c) Insulin pump

(d) Nebuliser

Answer: (b)

195. Which of these is not part of an ECG Electro cardio gram test result?

(a) P wave

(b) QRS complex

(c) T wave

(d) C wave

Answer: (d)

196. Which of these tests involves a long, flexible tubes inserted into the rectum and a tiny video camera at the tip of the tube .

(a) Electro cardio gram
(b) Colonoscopy
(c) Catheterization
(d) Biopsy

Answer: (b)

197. Which of these devices is used to measure blood pressure?

(a) sphygmomanometer
(b) thermometer
(c) infusion pump
(d) catheter

Answer: (a)

198. Which of these is the correct formula to calculate Molarity?

(a) Number or moles of solute ÷ Volume of Solution in litre
(b) Number of gram equivalents of solute ÷ Volume of solution in liter
(c) Equivalent weight ÷ valency
(d) Number of gram equivalents of solute ÷ valency

Answer: (a)

199. Which of these is not a Primary Standard?

(a) Potassium dichromate (K Cr O) 2 2 7
(b) Sodium oxalate (Na C O) 2 2 4
(c) Potassium permanganate (KMnO) 4
(d) Potassium Hydrogen phthalate (KHP): (KHC H O) 8 4 4

Answer: (c)

200. Position of eye while reading, the level must be _____.

(a) higher than the meniscus plane
(b) lower than the meniscus plane
(c) at the same level as the meniscus
(d) atleast 1cm lower than the meniscus plane

Answer: (c)

Answer key

Answer key from the Delhi Subordinate Services Selection Board's official answer key for this sitting. "—" means the key gave none.

General Awareness

1	**(a)**	2	**(c)**	3	**(a)**	4	**(c)**	5	**(b)**	6	**(a)**
7	**(b)**	8	**(d)**	9	**(a)**	10	**(d)**	11	**(c)**	12	**(c)**
13	**(a)**	14	**(a)**	15	**(b)**	16	**(d)**	17	**(b)**	18	**(c)**
19	**(c)**	20	**(a)**								

General Ability

21	**(a)**	22	**(b)**	23	**(a)**	24	**(c)**	25	**(c)**	26	**(b)**
27	**(b)**	28	**(b)**	29	**(d)**	30	**(d)**	31	**(b)**	32	**(d)**
33	**(c)**	34	**(c)**								

Arithmetic Ability

41	**(d)**	42	**(b)**	44	**(b)**	45	**(c)**	46	**(c)**	47	**(d)**
48	**(d)**	49	**(b)**	50	**(d)**	51	**(a)**	52	**(a)**	53	**(b)**
54	**(c)**	56	**(d)**	57	**(b)**						

General English

81	**(a)**	82	**(b)**	83	**(c)**	84	**(c)**	85	**(a)**	86	**(d)**
87	**(a)**	88	**(d)**	89	**(b)**	90	**(d)**	91	**(b)**	92	**(d)**
93	**(a)**	94	**(c)**	95	**(d)**	97	**(d)**	98	**(a)**	100	**(a)**

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101	**(c)**	102	**(d)**	103	**(a)**	104	**(d)**	105	**(d)**	106	**(c)**
107	**(a)**	108	**(c)**	109	**(b)**	110	**(a)**	111	**(d)**	112	**(b)**
113	**(b)**	114	**(a)**	115	**(b)**	116	**(b)**	117	**(a)**	118	**(d)**
119	**(a)**	120	**(c)**								

Discipline2

121	**(b)**	122	**(c)**	123	**(a)**	124	**(d)**	125	**(c)**	126	**(d)**
127	**(b)**	128	**(b)**	129	**(b)**	130	**(a)**	131	**(d)**	132	**(b)**
133	**(b)**	134	**(c)**	135	**(a)**	136	**(c)**	137	**(a)**	138	**(b)**
139	**(d)**	140	**(b)**								

Discipline3

141	**(c)**	142	**(a)**	143	**(d)**	144	**(c)**	145	**(d)**	146	**(d)**
147	**(c)**	149	**(b)**	150	**(c)**	151	**(b)**	152	**(c)**	153	**(a)**
154	**(d)**	155	**(b)**	156	**(d)**	157	**(b)**	158	**(d)**	159	**(d)**
160	**(a)**										

Discipline4

161	**(a)**	162	**(c)**	163	**(a)**	164	**(d)**	165	**(a)**	166	**(b)**
167	**(c)**	168	**(a)**	169	**(c)**	170	**(a)**	171	**(c)**	172	**(b)**
173	**(b)**	174	**(c)**	175	**(a)**	176	**(d)**	177	**(d)**	178	**(a)**
179	**(a)**	180	**(b)**								

Discipline5

181	**(a)**	182	**(c)**	183	**(d)**	184	**(d)**	185	**(a)**
186	**(a)**	187	**(c)**	188	**(b)**	189	**(a)**	190	**(c)**
191	**(d)**	192	**(d)**	193	**(a)**	194	**(b)**	195	**(d)**
196	**(b)**	197	**(a)**	198	**(a)**	199	**(c)**	200	**(c)**