



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी ई एन - ०४/२०२४ - CEN - 04/2024
Recruitment for Paramedical Categories



RRB PARAMEDICAL 2024

Laboratory Superintendent

Paramedical Categories | CEN 04/2024

ENGLISH ANSWER KEY

Official Answer Key

Complete Paper · 28 Apr 2025

Post	Laboratory Superintendent
Questions	100 per paper
Marking	+1 correct / -1/3 wrong
Duration	90 minutes
Sections	General Ability 30 · Professional Ability 70

English: 3 question(s) printed in the stored Hindi version (no keyed English version saved), marked with a chi

Every paper is printed from the official question text with the correct answer marked.

HOW TO USE THIS BOOK

- 1 Open the INDEX on the next page.
- 2 Click any row to jump straight to that date and shift.
- 3 The correct option of every question is ticked in green.
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Compiled 27 October 2026

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RRB Paramedical 2024 - Laboratory Superintendent (English) - 1 paper

PAPER	DATE	TIME	QUESTIONS	PAGE
Paper 1	28 Apr 2025	4:30 PM - 6:00 PM	100	3



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PAPER 1 of 1 · Laboratory Superintendent · English

Exam	RRB Paramedical 2024 (CEN 04/2024)
Post	Laboratory Superintendent
Test Date	28 Apr 2025
Test Time	4:30 PM - 6:00 PM
Language	English
Questions	100
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Correct option of the official answer key: **green with ✓**. Question IDs are RRB's own.

Section : General Ability

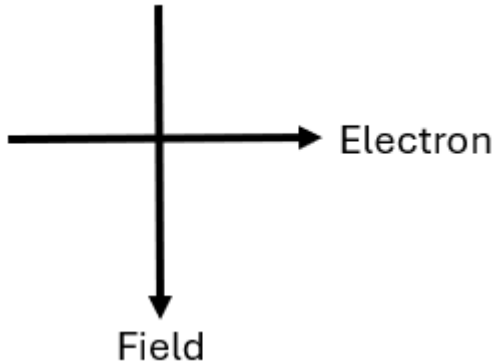
- Q.1** Rohan starts from Point A and drives 4 km towards East. He then takes a right turn, drives 3 km, turns left and drives 6 km. He then takes a left turn and drives 3 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

Ans

1. 7 km towards South
2. 13 km towards East
3. 3 km towards North
4. 13 km towards West ✓

Question ID :
441009170435
Correct Option : 4

- Q.2** What will be the direction of the force based on the direction of current and magnetic field as shown in the figure?



Ans

1. To the left
2. To the right
3. Out of the page ✓
4. Into the page

Question ID :
441009105923
Correct Option : 3

Q.3 Why is a coordinated effort from all the levels of government essential for sustainable development? Ans 1. It helps integrate socio-economic development with environmental sustainability. ✓ 2. It allows for the privatisation of environmental resources. 3. It delays the implementation of sustainable practices. 4. It ensures that only economic issues are addressed.	Question ID : 44100977079 Correct Option : 1
Q.4 What is the increased credit limit under the Modified Interest Subvention Scheme for Kisan Credit Cards (KCC) as announced in the Union Budget 2025? Ans 1. ₹1 lakh 2. ₹3 lakh 3. ₹2 lakh 4. ₹5 lakh ✓	Question ID : 44100977927 Correct Option : 4
Q.5 Which Indian film won the Best Film Award at the Asian Film Awards 2025? Ans 1. The White Tiger 2. All We Imagine As Light ✓ 3. Gully Boy 4. The Disciple	Question ID : 44100975829 Correct Option : 2
Q.6 Under which Article of the Indian Constitution does the Supreme Court of India have original jurisdiction to adjudicate disputes between the Government of India and one or more States, or between different States? Ans 1. Article 136 2. Article 132 3. Article 226 4. Article 131 ✓	Question ID : 44100989717 Correct Option : 4
Q.7 Which key feature of Thomson's Atomic Model helped explain the electrical neutrality of an atom? Ans 1. The positive charge was concentrated in the centre. 2. The positive and negative charges are equal in magnitude. ✓ 3. Electrons revolved around the nucleus in fixed orbits. 4. The nucleus contained both, protons and neutrons.	Question ID : 44100971260 Correct Option : 2
Q.8 Which of the following options describes the enforceability of the Directive Principles of State Policy in India? Ans 1. They are binding on the legislature and the executive, with penalties for non-compliance. 2. They are non-justiciable guidelines and cannot be enforced by courts. ✓ 3. They are enforceable only by the Supreme Court when Fundamental Rights are violated. 4. They are enforceable like Fundamental Rights and can be directly challenged in the courts.	Question ID : 44100988741 Correct Option : 2

Q.9 A man receives ₹8680 per month as salary. He saves 65% of his salary every month. His expenditure per month is: Ans 1. ₹3038 ✓ 2. ₹2995 3. ₹2959 4. ₹3043	Question ID : 441009170038 Correct Option : 1
Q.10 The focus of a spherical mirror lies 18 cm from the pole of the mirror. What is the position of the centre of curvature in cm from the pole of the mirror? Ans 1. 36 cm ✓ 2. 9 cm 3. 27 cm 4. 40 cm	Question ID : 44100995398 Correct Option : 1
Q.11 Which of the following factor is NOT responsible for the survival of species over time? Ans 1. Habitat availability 2. Astrological Signs ✓ 3. Reproduction 4. Variation	Question ID : 44100967002 Correct Option : 2
Q.12 Consider the following statements regarding the reactivity series of metals. Which of these statements is/are correct? Statement I: A piece of iron placed in a solution of copper sulfate gradually develops a reddish layer. Statement II: Copper is more reactive than iron and replaces it in the solution. Ans 1. Only Statement 1 is true ✓ 2. Both statements are false 3. Only Statement 2 is true 4. Both statements are true	Question ID : 44100971227 Correct Option : 1
Q.13 Which committee's recommendations have long been influential in defining the poverty line in India using a consumption expenditure approach? Ans 1. Sachar Committee 2. Rangarajan Committee 3. Tendulkar Committee ✓ 4. Balakrishnan Committee	Question ID : 44100993360 Correct Option : 3

Q.14 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs. (Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 59, 71.6 86, 98.6 Ans 92, 106.6 41, 63.6 77, 91.6 65, 77.6 ✓	Question ID : 441009170394 Correct Option : 4
Q.15 Who among the following was the intended target of the bomb thrown at a carriage by Khudiram Bose and Prafulla Chaki in 1908? Ans - Governor-General Lord Curzon - Viceroy Lord Hardinge Magistrate Douglas Kingsford ✓ - Lord Ripon	Question ID : 44100984104 Correct Option : 3
Q.16 Which of the following is NOT correct regarding connective tissue? Ans - Ligaments connect bone to bone - Areolar connective tissue is found between the skin and muscle - Tendons connect muscle to bone Fat storing adipose tissue is found above the skin ✓	Question ID : 44100971337 Correct Option : 4
Q.17 Each of L, M, N, O, W, X and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only Y has exam before X. Only three people have exam between M and X. Only three people have exam between L and O. W has exam on some day before O and on some day after N. How many people have exam after L? Ans - One - Three Four ✓ - Two	Question ID : 441009170405 Correct Option : 3
Q.18 If the lateral surface area of a cylinder is 336.4 cm^2 and its height is 23 cm, then find its volume. (Use $\pi = 3.14$ and round off to two decimal place) Ans 1. 372.99 cm^3 2. 391.74 cm^3 ✓ 3. 370.76 cm^3 4. 384.33 cm^3	Question ID : 441009170069 Correct Option : 2

Q.19 Tarun and Varun move towards town B starting from town A, at a speed of 57 km/h and 60 km/h respectively. If Varun reaches town B 33 minutes earlier than Tarun, what is the distance between towns A and B? Ans 1. 627 km ✓ 2. 625 km 3. 633 km 4. 619 km	Question ID : 441009170065 Correct Option : 1
Q.20 Why do the hydrophobic tails of soap molecules stay inside the micelles? Ans 1. They are repelled by water. ✓ 2. They dissolve completely in water. 3. They are strongly attracted to water. 4. They form chemical bonds with water.	Question ID : 44100970205 Correct Option : 1
Q.21 What should come in place of the question mark (?) in the given series based on the English alphabetical order? WIB UFX SCT QZP ? Ans 1. OWL ✓ 2. MUM 3. NVJ 4. NYK	Question ID : 441009170401 Correct Option : 1
Q.22 Which of the following glands secretes growth hormone? Ans 1. Ovaries 2. Pituitary gland ✓ 3. Thyroid gland 4. Testes	Question ID : 44100971507 Correct Option : 2
Q.23 Under which scheme will the registered gig workers on the e-Shram portal receive healthcare benefits in 2025? Ans 1. Pradhan Mantri Awas Yojana (PMAY) 2. Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) 3. Atal Pension Yojana (APY) 4. Ayushman Bharat PM Jan Arogya Yojana (AB-PM-JAY) ✓	Question ID : 44100977930 Correct Option : 4

Q.24

The value of $\left(\frac{5}{8}\right) \times \left(\frac{24}{25}\right) + \left(\frac{9}{5} - 4\right)$ is

Ans

1. $-\frac{6}{7}$

2. $-\frac{8}{5}$ ✓

3. $\frac{1}{4}$

4. $-\frac{2}{3}$

Question ID :
441009170053
Correct Option : 2

Q.25 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ACT123, IKB110, QSJ97, YAR84, ?

Ans

1. GIM71

2. LIZ71

3. GOZ71

4. GIZ71 ✓

Question ID : 441009170412
Correct Option : 4

Q.26 The image formed by a convex mirror is always ____.

Ans

1. erect and diminished ✓

2. erect and of same size as the object

3. inverted and diminished

4. inverted and of same size as the object

Question ID : 44100995483
Correct Option : 1

Q.27 Which of the following statements is correct about the nucleus?

Ans

1. The nucleus contains mitochondria

2. Nucleus has a single layer covering

3. Nuclear membrane has pores ✓

4. The nucleus contains chloroplast

Question ID : 44100963229
Correct Option : 3

Q.28 Select the correct pairing between a Himalayan division and a notable geographical feature associated with it:

Ans

1. Lesser Himalayas – Bara Lacha-La

2. Valleys located between the Lesser Himalayas and the Outer Himalayas – Duns ✓

3. Lesser Himalayas – Mount Everest

4. Valleys located between the Greater Himalayas and the Lesser Himalayas – Duns

Question ID : 44100977631
Correct Option : 2

Q.29 4 men and 6 women can complete a piece of work in 8 days, while 3 men and 7 women can complete it in 10 days. In how many days will 16 women complete it? Ans 36 25 ✓ 16 40	Question ID : 441009170046 Correct Option : 2
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Q.30 Which ruler is associated with the construction of the famous Alahi Darwaja also called Alai Darwaja? Ans - Firoz Shah Tughlaq - Mohammad Bin Tughlaq - Ala-ud-din Khalji ✓ - Jalal-ud-din Khalji	Question ID : 44100973388 Correct Option : 3
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Section : Professional Ability

Q.31 प्रयोगशाला में कवक संवर्धन के लिए निम्नलिखित में से कौन-सा माध्यम सबसे अधिक प्रयुक्त किया जाता है? HINDI Ans - सैबोरोड डेक्सट्रोस ऐगार (Sabouraud dextrose agar) ✓ - मैककॉन्की ऐगार (MacConkey agar) - रूथिर ऐगार (Blood agar) - चॉकलेट ऐगार (Chocolate agar)	Question ID : 441009207076 Correct Option : 1
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Q.32 Which of the following is NOT a rapid diagnostic method for viral infections? Ans - Lateral flow immunoassay (LFIA) - Nucleic acid amplification tests (NAAT) - Gel electrophoresis ✓ - Enzyme-linked immunosorbent assay (ELISA)	Question ID : 441009207518 Correct Option : 3
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Q.33 निम्नलिखित में से कौन-सा रक्त घटक कार्बन डाइऑक्साइड को फेफड़ों तक वापस ले जाने में सहायता करता है? HINDI Ans - RBCs में हीमोग्लोबिन (Haemoglobin in RBCs) ✓ - बिंबाणु (Platelets) - प्रतिपिंड (Antibodies) - एल्ब्यूमिन (Albumin)	Question ID : 441009201284 Correct Option : 1
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Q.34 What is the main principle behind the Wassermann reaction for detecting syphilis? Ans - Complement fixation ✓ - Hemagglutination inhibition - Direct agglutination of bacterial cells - Antigen-antibody precipitation	Question ID : 441009207406 Correct Option : 1
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Q.35 Why is fixation necessary before decalcification? Ans 1. To reduce the time needed for decalcification 2. To preserve cellular and tissue structures ✓ 3. To increase calcium removal 4. To harden tissue for sectioning	Question ID : 441009200526 Correct Option : 2
Q.36 Which of the following is considered a chemical method of sterilization? Ans 1. Radiation 2. Boiling 3. Filtration 4. Ethylene oxide gas ✓	Question ID : 441009201583 Correct Option : 4
Q.37 Which aldehyde is commonly used in the aldehyde test for detecting visceral leishmaniasis? Ans 1. Paraformaldehyde 2. Acetaldehyde 3. Glutaraldehyde 4. Formaldehyde ✓	Question ID : 441009207421 Correct Option : 4
Q.38 Which container should be used to collect a stool sample for parasite examination? Ans 1. Clean, dry, wide-mouthed container ✓ 2. Syringe 3. Glass jar with alcohol 4. Metal box	Question ID : 441009206999 Correct Option : 1
Q.39 Robert Koch is best known for _____. Ans 1. Discovering penicillin 2. Identifying the causative agents of tuberculosis and cholera ✓ 3. Developing antiseptic surgery 4. Inventing the microscope	Question ID : 441009201572 Correct Option : 2
Q.40 Which cryoprotectant is commonly added to biological specimens for long-term storage at -80°C or below to prevent ice crystal formation? Ans 1. Dimethyl sulphoxide (DMSO) ✓ 2. Sodium fluoride 3. Ethanol 4. Sodium citrate	Question ID : 441009200806 Correct Option : 1
Q.41 Which of the following should be calibrated regularly to ensure accurate microbial quantification using optical density? Ans 1. Microscope 2. Hot air oven 3. Spectrophotometer ✓ 4. Incubator	Question ID : 441009201560 Correct Option : 3

Q.42 Which of the following stains is most commonly used for routine tissue examination in histopathology? Ans 1. Wright's stain 2. Giemsa stain 3. Haematoxylin and Eosin (H and E) stain ✓ 4. Gram stain	Question ID : 441009200547 Correct Option : 3
Q.43 Which cytokine plays a key role in eosinophil differentiation and proliferation? Ans 1. TNF-alpha 2. Interleukin-4 (IL-4) 3. Interleukin-5 (IL-5) ✓ 4. Interleukin-2 (IL-2)	Question ID : 441009201305 Correct Option : 3
Q.44 Which of the following is a common type of cytological specimen? Ans 1. Bone biopsy 2. Surgical resection 3. Tissue block 4. Pap smear ✓	Question ID : 441009206652 Correct Option : 4
Q.45 In the disk diffusion method for antifungal susceptibility, the results are measured by: Ans 1. The number of colonies 2. The turbidity in the broth 3. The zone of inhibition around the disk ✓ 4. The color change in the media	Question ID : 441009207040 Correct Option : 3
Q.46 What does the presence of increased white blood cells (WBC) in synovial fluid most likely indicate? Ans 1. Dehydration 2. Normal condition 3. Low blood sugar 4. Inflammation or infection ✓	Question ID : 441009200463 Correct Option : 4
Q.47 Which of the following is NOT a type of immunoassay? Ans 1. Western blot 2. ELISA 3. RIA 4. PCR ✓	Question ID : 441009206689 Correct Option : 4
Q.48 What is the primary reason for collecting a throat swab sample? Ans 1. To diagnose respiratory infections ✓ 2. To detect lung diseases 3. To test for digestive issues 4. To access kidney function	Question ID : 441009200762 Correct Option : 1

Q.49 The adrenal medulla secretes which hormone? Ans 1. Insulin 2. Aldosterone 3. Cortisol 4. Epinephrine ✓	Question ID : 441009200377 Correct Option : 4
Q.50 Which enzyme is commonly used in ELISA tests? Ans 1. Catalase 2. Helicase 3. Horseradish peroxidase (HRP) ✓ 4. Lipase	Question ID : 441009206676 Correct Option : 3
Q.51 What is the clinical significance of Mean Cell Volume (MCV) reported by an automated haematology analyser? Ans 1. It helps classify types of anaemia ✓ 2. It measures white cell activity 3. It reflects haemoglobin concentration 4. It indicates clotting ability	Question ID : 441009201321 Correct Option : 1
Q.52 In sputum processing, the acid-fast bacilli (AFB) test is used to diagnose which condition? Ans 1. Tuberculosis ✓ 2. Pneumonia 3. Chronic bronchitis 4. Asthma	Question ID : 441009200751 Correct Option : 1
Q.53 Which stain is commonly used for identifying malarial parasites in blood smears? Ans 1. India ink 2. Ziehl-Neelsen stain 3. Giemsa stain ✓ 4. Gram stain	Question ID : 441009206979 Correct Option : 3
Q.54 The SI unit for creatinine in blood is ____. Ans 1. mmol/L 2. g/L 3. μmol/L ✓ 4. mg/dL	Question ID : 441009201254 Correct Option : 3
Q.55 Which of the following is a good quality in a disinfectant? Ans 1. It is hard to store 2. It kills germs quickly ✓ 3. It smells very bad 4. It is not effective on microbes	Question ID : 441009201522 Correct Option : 2

Q.56 The principle of moist heat sterilization is based on ____. Ans 1. Denaturation of proteins ✓ 2. Low temperature and high pressure 3. Dehydration of microbial cells 4. Freezing and thawing cycles	Question ID : 441009201595 Correct Option : 1
Q.57 CSF is commonly collected to detect infections in which organ? Ans 1. Heart 2. Lungs 3. Liver 4. Brain ✓	Question ID : 441009207007 Correct Option : 4
Q.58 निम्नलिखित में से कौन-सी, सामाजिक संरचना की प्राथमिक इकाई है? HINDI Ans 1. चिकित्सालय 2. सरकार 3. परिवार ✓ 4. विद्यालय	Question ID : 441009207372 Correct Option : 3
Q.59 Absolute eosinophil count (AEC) is calculated by: Ans 1. Counting the eosinophils in a fixed volume of blood 2. Dividing the eosinophil percentage by the total WBC count 3. Subtracting the eosinophil percentage from the total WBC count 4. The percentage of eosinophil is multiplied by white blood cells ✓	Question ID : 441009200432 Correct Option : 4
Q.60 Which of the following is a vector-borne parasitic infection? Ans 1. Amoebiasis 2. Ascariasis 3. Giardiasis 4. Malaria ✓	Question ID : 441009193965 Correct Option : 4
Q.61 Which of the following best defines "development" in psychology? Ans 1. A progressive series of changes that occur in an orderly predictable pattern ✓ 2. The growth of the body 3. Sudden changes in personality 4. A decline in mental functions	Question ID : 441009207210 Correct Option : 1
Q.62 Which of the following is a rapid diagnostic test used to detect viral infections? Ans 1. Blood agar test 2. Gram stain 3. ELISA ✓ 4. Western blot	Question ID : 441009207512 Correct Option : 3

Q.63 The cholesterol levels in the blood are most commonly measured in which units? Ans 1. Milligrams per deciliter ✓ 2. Moles per liter 3. Micromoles per liter 4. Grams per liter	Question ID : 441009200404 Correct Option : 1
Q.64 Cytopathology is best defined as ____. Ans 1. Analysis of chemical changes in blood 2. Study of whole organ systems 3. Examination of individual cells to detect disease ✓ 4. Study of genes and chromosomes	Question ID : 441009206636 Correct Option : 3
Q.65 Which of the following parasites causes amoebic dysentery? Ans 1. Balantidium coli 2. Entamoeba histolytica ✓ 3. Cryptosporidium parvum 4. Giardia lamblia	Question ID : 441009206992 Correct Option : 2
Q.66 Which of the following is the correct first step in tissue processing? Ans 1. Sectioning 2. Clearing 3. Fixation ✓ 4. Embedding	Question ID : 441009200640 Correct Option : 3
Q.67 What color do acid-fast organisms appear in modified Ziehl-Neelsen stain? Ans 1. Green 2. Red or pink ✓ 3. Blue 4. Yellow	Question ID : 441009207013 Correct Option : 2
Q.68 Eosinophils are a type of ____. Ans 1. Red blood cells 2. White blood cells ✓ 3. Platelets 4. Muscle cells	Question ID : 441009200424 Correct Option : 2
Q.69 Which condition is associated with increased blood glucose levels? Ans 1. Diabetes mellitus ✓ 2. Insulinoma 3. Hypothyroidism 4. Addison's disease	Question ID : 441009200400 Correct Option : 1

Q.70 Which organism causes the disease detected by VDRL? Ans 1. Chlamydia trachomatis 2. Haemophilus ducreyi 3. Neisseria gonorrhoeae 4. Treponema pallidum ✓	Question ID : 441009206687 Correct Option : 4
Q.71 In serology, what is the role of an antigen? Ans 1. To fight infection 2. To transport oxygen 3. To bind with specific antibodies ✓ 4. To produce enzymes	Question ID : 441009193793 Correct Option : 3
Q.72 Which microscope is used to observe immunofluorescence? Ans 1. Phase contrast microscope 2. Bright-field microscope 3. Electron microscope 4. Fluorescence microscope ✓	Question ID : 441009206952 Correct Option : 4
Q.73 Which neutralising agent is most suitable when evaluating quaternary ammonium compound disinfectants during an in-use test? Ans 1. Tween 80 with lecithin ✓ 2. Sodium thiosulphate 3. Ethanol 4. Formalin	Question ID : 441009201509 Correct Option : 1
Q.74 Which tube is generally used for collecting blood for viral serology? Ans 1. Fluoride tube 2. EDTA tube 3. Plain (red-top) tube ✓ 4. Heparin tube	Question ID : 441009207442 Correct Option : 3
Q.75 In the broth dilution method, the lowest concentration of the antifungal agent at which no visible growth occurs is called ____. Ans 1. Minimum bactericidal concentration (MBC) 2. Minimum inhibitory concentration (MIC) ✓ 3. Effective concentration (EC) 4. Minimum lethal concentration (MLC)	Question ID : 441009207051 Correct Option : 2
Q.76 Which of the following tests is commonly used to confirm a positive Wassermann reaction? Ans 1. Dark field microscopy of lesion exudates 2. FTA-ABS (Fluorescent Treponemal Antibody Absorption) test ✓ 3. PCR for Treponema pallidum DNA 4. RPR (Rapid Plasma Reagin) test	Question ID : 441009207413 Correct Option : 2

Q.77 Which of the following biological samples is most commonly used for diagnosing fungal infections in the lungs? Ans 1. Blood 2. Urine 3. Sputum ✓ 4. Stool	Question ID : 441009207061 Correct Option : 3
Q.78 The Widal test is a type of ____. Ans 1. Precipitation test 2. Neutralization test 3. ELISA 4. Agglutination test ✓	Question ID : 441009207393 Correct Option : 4
Q.79 Which endocrine gland is located in the neck and shaped like a butterfly? Ans 1. Thymus 2. Thyroid gland ✓ 3. Adrenal gland 4. Pituitary gland	Question ID : 441009200362 Correct Option : 2
Q.80 In cholesterol estimation, what is the role of the reagent sulfuric acid in the Liebermann-Burchard method? Ans 1. To precipitate other lipids 2. To dissolve cholesterol 3. To produce a coloured complex with cholesterol ✓ 4. To oxidize cholesterol	Question ID : 441009200409 Correct Option : 3
Q.81 The presence of malignant cells in body fluids indicates _____. Ans 1. Healthy cells 2. Inflammation 3. Infection 4. Cancer or tumors ✓	Question ID : 441009200475 Correct Option : 4
Q.82 IQ stands for: Ans 1. Intelligence Quotient ✓ 2. Intelligent Quotient 3. Intelligence Question 4. Intelligence Quality	Question ID : 441009207220 Correct Option : 1
Q.83 Which of the following immunoassay types is most suitable for detecting small molecules like hormones and drugs? Ans 1. Agglutination assay 2. Competitive ELISA ✓ 3. Sandwich ELISA 4. Indirect ELISA	Question ID : 441009206699 Correct Option : 2

Q.84 Which reagent is typically used in the clearing step of tissue processing? Ans 1. Ethanol 2. Formalin 3. Paraffin 4. Xylene ✓	Question ID : 441009200653 Correct Option : 4
Q.85 In the Cytospin technique, how are cells deposited onto the slide? Ans 1. By filtration 2. By centrifugation ✓ 3. By direct application from a pipette 4. By evaporation	Question ID : 441009206630 Correct Option : 2
Q.86 What does VTM stand for? Ans 1. Virus Tube Method 2. Very Tight Medium 3. Viral Tracing Medium 4. Viral Transport Medium ✓	Question ID : 441009207452 Correct Option : 4
Q.87 Which of the following molecule is primarily responsible for initiating the process of protein digestion in the stomach? Ans 1. Cholecystokinin 2. Pepsin ✓ 3. Trypsin 4. Amylase	Question ID : 441009200306 Correct Option : 2
Q.88 Which coagulant is preferred for arterial blood gas (ABG) analysis? Ans 1. EDTA 2. Sodium fluoride 3. Sodium citrate 4. Lithium heparin ✓	Question ID : 441009200784 Correct Option : 4
Q.89 The branch of sociology that focuses on health and illness is called _____. Ans 1. Rural sociology 2. Medical sociology ✓ 3. Clinical sociology 4. Cultural sociology	Question ID : 441009207234 Correct Option : 2
Q.90 Which of the following is the most common site for venous blood collection? Ans 1. Femoral vein 2. Radial artery 3. Dorsal hand vein 4. Median cubital vein ✓	Question ID : 441009201296 Correct Option : 4

Q.91 The presence of protein in urine is referred to as _____. Ans 1. Ketonuria 2. Glucosuria 3. Proteinuria ✓ 4. Haematuria	Question ID : 441009201237 Correct Option : 3
Q.92 Which of the following components of bile is responsible for the emulsification of fats during digestion? Ans 1. Bilirubin 2. Bile salts ✓ 3. Cellulose 4. Cholesterol	Question ID : 441009200310 Correct Option : 2
Q.93 Pleural fluid is collected from which part of the body? Ans 1. Spinal cord 2. Lungs ✓ 3. Abdominal cavity 4. Knee joint	Question ID : 441009200793 Correct Option : 2
Q.94 What is the definition of Minimum Inhibitory Concentration (MIC)? Ans 1. Concentration at which bacteria are most active 2. Lowest concentration that kills all bacteria 3. Highest concentration tested 4. Lowest concentration that inhibits visible growth ✓	Question ID : 441009200697 Correct Option : 4
Q.95 A prolonged bleeding time test usually indicates a problem with _____. Ans 1. white blood cell count 2. red blood cell count 3. platelet function ✓ 4. haemoglobin levels	Question ID : 441009201476 Correct Option : 3
Q.96 Neisser's stain is used to identify which of the following bacteria? Ans 1. Salmonella 2. Diphtheria ✓ 3. Clostridium 4. Tubercle bacilli	Question ID : 441009200745 Correct Option : 2
Q.97 Fine Needle Aspiration Cytology (FNAC) is used to collect samples from _____. Ans 1. Internal organs or masses ✓ 2. Tissue blocks 3. Stool 4. Hair	Question ID : 441009206672 Correct Option : 1

Q.98 Which of the following media is used to grow most non-fastidious organisms? Ans 1. MacConkey agar 2. Nutrient agar ✓ 3. Blood agar 4. Chocolate agar	Question ID : 441009201550 Correct Option : 2
Q.99 Which of the following enzymes is NOT typically measured in a liver function test? Ans 1. Alkaline phosphatase 2. Alanine aminotransferase 3. Aspartate aminotransferase 4. Amylase ✓	Question ID : 441009200773 Correct Option : 4
Q.100 A decrease in serum urea levels is commonly seen in which of the following conditions? Ans 1. Chronic kidney disease 2. Dehydration 3. Liver cirrhosis ✓ 4. High-protein diet	Question ID : 441009200416 Correct Option : 3