



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी ई एन - ०८/२०२५ - CEN - 08/2025
Recruitment for Ministerial and Isolated Categories



RRB MINISTERIAL & ISOLATED 2025

Lab Assistant Grade III (Chemist & Metallurgist)

Ministerial and Isolated Categories | CEN 08/2025

ENGLISH ANSWER KEY

Official Answer Key

Complete Paper · 15 Jul 2026

Post	Lab Assistant Grade III (Chemist & Metallurgist)
Questions	100 per paper
Marking	+1 correct / -1/3 wrong
Duration	90 minutes
Sections	Professional Ability 50 · General Ability 50

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 Ministerial & Isolated 2025 - Lab Assistant Grade III (Chemist & Metallurgist) (English) - 1 paper

PAPER	DATE	TIME	QUESTIONS	PAGE
Paper 1	15 Jul 2026	12:45 PM - 2:15 PM	100	3



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PAPER 1 of 1 · Lab Assistant Grade III (Chemist & Metallurgist) · English

Exam	RRB Ministerial & Isolated 2025 (CEN 08/2025)
Post	Lab Assistant Grade III (Chemist & Metallurgist)
Test Date	15 Jul 2026
Test Time	12:45 PM - 2:15 PM
Language	English
Questions	100
Marking	+1 correct / -1/3 wrong

Correct option of the official answer key: **green with ✓**. Question IDs are RRB's own.

Section : Professional Ability

Q.1 During a load deflection test, what is a clear indication that only elastic deformation has occurred in an aluminum bar? Ans - The bar exhibits a rough surface texture. - The bar has a permanent bend after unloading. - The bar shows visible cracks along its length. The bar resumes its original length after unloading. ✓	Question ID : 4410092064880 Correct Option : 4
Q.2 Why is it important to test polyurethane (PU) paint with both acids and alkalis during chemical resistance evaluation? Ans - To compare only drying speeds of the paint To assess resistance to a range of corrosive agents ✓ - To ensure the paint has a smooth finish - To evaluate color retention under sunlight	Question ID : 4410092064740 Correct Option : 2
Q.3 A metallurgist observes increased hardness and wear resistance in a steel sample after the addition of a specific alloying element. Which element is most likely responsible for this change? Ans - Lead Tungsten ✓ - Copper - Silicon	Question ID : 4410092064899 Correct Option : 2
Q.4 Which of the following fibers is very suitable for low- to medium-performance composite applications because of its low cost and good tensile strength? Ans Glass fiber ✓ - Copper fiber - Nylon fiber - Cotton fiber	Question ID : 4410092064766 Correct Option : 1

Q.5 Which parameter is commonly used as a measure of coating adhesion in the scratch test? Ans 1. Melting point 2. Density 3. Elastic limit 4. Critical load ✓	Question ID : 4410092064813 Correct Option : 4
Q.6 Which method is commonly used to remove old paint and rust from coach surfaces before painting? Ans 1. Mechanical abrasion ✓ 2. Applying primer directly 3. Chemical etching 4. Using oil coatings	Question ID : 4410092064716 Correct Option : 1
Q.7 Why might paint peel even if applied to a clean metal surface? Ans 1. Insufficient number of paint coats applied 2. Omission of final clear topcoat 3. Residual moisture on the surface during painting ✓ 4. Use of natural bristle paintbrushes	Question ID : 4410092064728 Correct Option : 3
Q.8 Which specific element is most responsible for increasing the hardness of plain carbon steel during heat treatment? Ans 1. Carbon ✓ 2. Manganese 3. Phosphorus 4. Silicon	Question ID : 4410092064898 Correct Option : 1
Q.9 What is the SI unit of Young's Modulus? Ans 1. Meter per second 2. Pascal ✓ 3. Kilogram per meter 4. Newton	Question ID : 4410092064873 Correct Option : 2
Q.10 During radiographic testing of steel castings, which factor most significantly affects the image quality and the ability to detect internal defects? Ans 1. The duration of pre-cleaning the casting 2. The size of the film cassette utilized 3. The energy and type of radiation used ✓ 4. The color of the background during exposure	Question ID : 4410092064833 Correct Option : 3

Q.11 When comparing two metals with identical compositions, one shows high notch sensitivity in impact testing while the other does not. What likely explains the difference? Ans 1. Difference in chemical composition 2. Variation in testing temperature only 3. Differences in sample size during testing 4. Microstructural differences between the metals ✓	Question ID : 4410092064876 Correct Option : 4
Q.12 When inspecting a thick steel plate by X-ray testing, the radiograph shows areas that are almost completely white. What is the most probable explanation for this observation? Ans 1. Excessive exposure from prolonged X-ray emission 2. Film defect caused by improper handling before development 3. Insufficient exposure due to inadequate X-ray energy ✓ 4. High film sensitivity resulting in overexposed images	Question ID : 4410092064830 Correct Option : 3
Q.13 What is the function of the crosshead in a Universal Testing Machine? Ans 1. It provides support to the entire frame 2. It records the data after testing 3. It moves to apply force to the specimen ✓ 4. It measures elongation during the test	Question ID : 4410092064883 Correct Option : 3
Q.14 Which process occurs during electrolysis in electroplating? Ans 1. Melting of the substrate metal 2. Deposition of coating on an electrode ✓ 3. Mechanical polishing of the surface 4. Removal of alloying elements	Question ID : 4410092064800 Correct Option : 2
Q.15 A batch of industrial oil is being evaluated for use in a high-temperature forging press. The fire point must be measured to ensure safety during operation. Which procedure is most appropriate for determining the fire point under controlled laboratory conditions? Ans 1. Mixing the oil sample with additives and observing flame formation 2. Cooling the oil sample and recording viscosity at fixed intervals 3. Heating the oil sample and applying a test flame at regular intervals ✓ 4. Heating the oil and observing ignition without applying a test flame	Question ID : 4410092064816 Correct Option : 3
Q.16 A steel bar is tested by inducing a longitudinal magnetic field and applying magnetic particles. Indications appear perpendicular to the bar's length. What is the most likely cause of these indications? Ans 1. Surface roughness causing random lines 2. Deeply buried nonmetallic inclusions 3. Laminations parallel to the bar's axis 4. Transverse surface cracks are present ✓	Question ID : 4410092064861 Correct Option : 4

Q.17 Which scenario demonstrates the practical advantage of using thermoplastics for manufacturing water bottles? Ans 1. Glass bottles are coated with thermoplastics to prevent breakage 2. Water bottles can be melted and remolded into new bottles after use ✓ 3. Bottles are manufactured from thermoplastics without using molds 4. Thermoplastics are used for water bottle heat insulation	Question ID : 4410092064913 Correct Option : 2
Q.18 During a lab test, a painted panel exhibits flaking after a cross-hatch adhesion test. What does this indicate about the paint system? Ans 1. The surface has an unusually high gloss finish 2. The paint film is excessively thick 3. The color match between coats is improper 4. The paint system has poor adhesion to the substrate ✓	Question ID : 4410092064730 Correct Option : 4
Q.19 Which type of specimen is most commonly used in impact testing of non-ferrous metals? Ans 1. Hollow cylindrical specimen 2. Flat sheet specimen without notch 3. Threaded specimen 4. Notched specimen ✓	Question ID : 4410092064796 Correct Option : 4
Q.20 Which property becomes very high when carbon is present in combined form in cast iron? Ans 1. Elasticity 2. Ductility 3. Toughness 4. Abrasive wear resistance ✓	Question ID : 4410092064770 Correct Option : 4
Q.21 Which microstructural feature in nodular cast iron most directly influences its increased toughness compared to gray cast iron? Ans 1. Irregular graphite clusters 2. Elongated graphite forms 3. Spheroidal graphite nodules ✓ 4. Flake graphite structures	Question ID : 4410092064906 Correct Option : 3
Q.22 During an ultrasonic test, a lack of weld root fusion is suspected. Which probe manipulation technique would most effectively enhance detection of this flaw? Ans 1. Angling the probe to direct the beam toward the weld root area ✓ 2. Moving the probe perpendicular to the weld axis across the surface 3. Scanning parallel to the weld axis with constant probe pressure 4. Increasing the thickness of the couplant uniformly on the surface	Question ID : 4410092064851 Correct Option : 1

Q.23 A student performs an oil density test using a hydrometer at two different temperatures: 20 degrees Celsius and 40 degrees Celsius. What is the expected trend for the oil's density as temperature increases? Ans The oil density decreases with increasing temperature ✓ - The oil density fluctuates without a predictable trend - The oil density remains constant at all temperatures - The oil density increases with increasing temperature	Question ID : 4410092064819 Correct Option : 1
Q.24 Which Shore scale is typically used for testing the hardness of standard rubber materials? Ans - Shore D - Shore C Shore A ✓ - Shore B	Question ID : 4410092064748 Correct Option : 3
Q.25 In ultrasonic testing, what is the main role of the couplant applied between the probe and the test specimen surface? Ans To facilitate effective transmission of ultrasonic waves ✓ - To prevent the probe from moving during scanning - To clean the test specimen surface prior to testing - To enhance the display of ultrasonic signals on the monitor	Question ID : 4410092064852 Correct Option : 1
Q.26 During a comparative test, two lubricants are evaluated for their ability to reduce wear in a gear system. Lubricant X has a high load-carrying capacity, while Lubricant Y has a low load-carrying capacity. Which outcome is most likely when using Lubricant X? Ans - Oil change intervals become shorter Gears exhibit less surface damage ✓ - Gear teeth wear out faster - Frictional heat increases significantly	Question ID : 4410092064821 Correct Option : 2
Q.27 A researcher observes that an oil sample stops flowing when cooled to a specific low temperature during a standard test. What property of oil does this temperature represent? Ans Pour point ✓ - Viscosity index - Cloud point - Flash point	Question ID : 4410092064817 Correct Option : 1
Q.28 During the developer application stage in dye penetrant testing, which method is most suitable for ensuring fine cracks are highlighted clearly on a smooth metallic surface? Ans - Using a coarse-grained developer for better coverage - Applying a wet suspension developer with a thick coating - Spraying an aqueous developer without controlling layer thickness Applying a dry powder developer in a thin, even layer ✓	Question ID : 4410092064859 Correct Option : 4

Q.29 A block of steel is subjected to ultrasonic testing to detect internal flaws. Which property of ultrasonic waves ensures that they can be used to locate such flaws within the metal without causing damage? Ans 1. Their high frequency compared to audible waves 2. Their speed through metals 3. Their high intensity compared to sound waves 4. Their ability to reflect at material boundaries ✓	Question ID : 4410092064843 Correct Option : 4
Q.30 Which of the following tests cannot be effectively performed to identify surface defects in non-ferrous materials? Ans 1. Magnetic particle testing ✓ 2. Eddy current testing 3. Visual inspection 4. Dye penetrant testing	Question ID : 4410092064797 Correct Option : 1
Q.31 Which property of a diamond indenter makes it suitable for testing hard metals in a hardness testing machine? Ans 1. High resistance to deformation under load ✓ 2. Low melting point during operation 3. High electrical conductivity at room temperature 4. Low chemical reactivity with metals	Question ID : 4410092064892 Correct Option : 1
Q.32 Which factor is least likely to influence the gloss of a synthetic enamel surface? Ans 1. The method of surface preparation before painting 2. The ambient sound in the laboratory during drying ✓ 3. The application method used for the enamel 4. The temperature during the drying process	Question ID : 4410092064736 Correct Option : 2
Q.33 Which factor most significantly reduces the measured bond strength of an adhesive during laboratory testing? Ans 1. Applying a universal testing method for all adhesives 2. Using standard curing times for all adhesive types 3. Maintaining uniform adhesive thickness across samples 4. Improper surface cleaning before applying the adhesive ✓	Question ID : 4410092064754 Correct Option : 4
Q.34 Which mechanical property of plain carbon steel generally decreases as the carbon content increases? Ans 1. Hardness 2. Ductility ✓ 3. Tensile strength 4. Wear resistance	Question ID : 4410092064769 Correct Option : 2

Q.35 Which alloying element acts as an austenite stabilizer in steel? Ans 1. Vanadium 2. Nickel ✓ 3. Titanium 4. Aluminium	Question ID : 4410092064781 Correct Option : 2
Q.36 Which testing method can best reveal poor adhesion in a laboratory setting? Ans 1. Visual inspection under magnifier 2. Color measurement with spectrometer 3. Cross-hatch tape test ✓ 4. Gloss assessment	Question ID : 4410092064731 Correct Option : 3
Q.37 Copper is generally tested using which Rockwell hardness scale due to its comparatively softer nature? Ans 1. Rockwell A 2. Rockwell C 3. Rockwell D 4. Rockwell B ✓	Question ID : 4410092064789 Correct Option : 4
Q.38 Which property of steel is significantly improved due to silicon addition under high-temperature conditions? Ans 1. Porosity 2. Brittleness 3. Oxidation resistance ✓ 4. Thermal cracking	Question ID : 4410092064773 Correct Option : 3
Q.39 Which testing method would best assess the corrosion resistance of a ROZ primer-coated surface? Ans 1. Salt spray exposure test ✓ 2. Hardness indentation test 3. Tensile strength measurement 4. Viscosity assessment	Question ID : 4410092064732 Correct Option : 1
Q.40 What does percentage elongation in a tensile test measure? Ans 1. The decrease in cross-sectional area at fracture relative to original area 2. The increase in length of a specimen after fracture relative to its original length ✓ 3. The total energy absorbed until fracture 4. The applied force needed to fracture the specimen	Question ID : 4410092064871 Correct Option : 2

Q.41 Which coating thickness measurement method requires the sample to be cut and polished before analysis? Ans 1. Resonant testing 2. X-ray fluorescence 3. Ellipsometry 4. Cross-sectioning ✓	Question ID : 4410092064812 Correct Option : 4
Q.42 During radiographic film processing, why is it important to control the temperature of the fixer solution within a recommended range? Ans 1. To select the appropriate type of radiation for image quality 2. To reduce the necessity for additional developer solution 3. To ensure complete conversion of all silver halide to metallic silver 4. To prevent excessive swelling or shrinking of the film emulsion ✓	Question ID : 4410092064840 Correct Option : 4
Q.43 If a metallic bar is not properly magnetized before applying magnetic particles, what is the most probable effect on the detection of surface cracks? Ans 1. Surface cracks may not be revealed due to insufficient flux leakage ✓ 2. Particles will be uniformly attracted to the whole surface 3. Only subsurface cracks will be highlighted by the particles 4. Surface cracks become more visible due to excess particle accumulation	Question ID : 4410092064863 Correct Option : 1
Q.44 What is the reason adhesives may fail when bonding plastics to metals? Ans 1. Color mismatch between materials 2. Density differences cause bond failure 3. Differences in thermal expansion can induce stress ✓ 4. Electrical conductivity causes detachment	Question ID : 4410092064755 Correct Option : 3
Q.45 Which type of coating is commonly produced using chromium electroplating for decorative applications? Ans 1. Oxide scale coating 2. Graphite coating 3. Thermal barrier coating 4. Tarnish-resistant coating ✓	Question ID : 4410092064808 Correct Option : 4
Q.46 Which property of polyurethane (PU) paint most directly influences its abrasion resistance? Ans 1. Color pigment concentration 2. Cross-linked polymer structure ✓ 3. Surface gloss level 4. Solvent evaporation rate	Question ID : 4410092064738 Correct Option : 2

Q.47 Which property of ductile cast iron makes it suitable for manufacturing pipes used in water supply systems? Ans 1. High elongation with good strength ✓ 2. Low thermal expansion with high hardness 3. High porosity with low density 4. High electrical conductivity with low strength	Question ID : 4410092064902 Correct Option : 1
Q.48 A load cell in a universal testing machine produces an output voltage of 2.0 mV/V at full scale. If the excitation voltage is set to 10 V and the measured output is 10 mV, what is the applied load as a fraction of full scale? Ans 1. 0.5 of the full scale load ✓ 2. 1.0 of the full scale load 3. 0.2 of the full scale load 4. 2.0 of the full scale load	Question ID : 4410092064886 Correct Option : 1
Q.49 Which parameter is obtained by dividing the applied tensile load by the original cross-sectional area of a copper specimen? Ans 1. Stress ✓ 2. Toughness 3. Strain 4. Elongation	Question ID : 4410092064786 Correct Option : 1
Q.50 Which test is best suited for evaluating the bending strength of wood in a laboratory setting? Ans 1. Hardness test with indenter 2. Impact test with pendulum 3. Tension test for elongation 4. Three-point flexural test ✓	Question ID : 4410092064753 Correct Option : 4

Section : General Ability

Q.51 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only. (Left) L C I J P C X O Y S R O X B F M U B B U G E (Right) How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel? Ans 1. 7 2. 6 3. 4 4. 5 ✓	Question ID : 441009778693 Correct Option : 4
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Q.52 Given that $137^{0.22} = x$, $137^{0.75} = y$ and $x^z = y^7$, then the value of z is closest to: Ans 1. 23.86 ✓ 2. 25.28 3. 26.87 4. 23.07	Question ID : 441009536548 Correct Option : 1
Q.53 What will come in place of the question mark (?) in the following equation if '÷' and '-' are interchanged and 'x' and '+' are interchanged? $3 \times 9 + 5 \div 16 - 4 = ?$ Ans 1. 44 ✓ 2. 50 3. 58 4. 66	Question ID : 441009555178 Correct Option : 1
Q.54 Bhadla Solar Park, one of the largest solar parks in India, is located in which state? Ans 1. Gujarat 2. Andhra Pradesh 3. Rajasthan ✓ 4. Madhya Pradesh	Question ID : 4410092063749 Correct Option : 3
Q.55 Which controversial policy of annexation was officially withdrawn by the Queen's Proclamation of 1858? Ans 1. Subsidiary Alliance 2. Ryotwari System 3. Permanent Settlement 4. Doctrine of Lapse ✓	Question ID : 4410091775564 Correct Option : 4
Q.56 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.) Ans 1. GI-JL 2. LN-OQ 3. BD-EG 4. JL-MP ✓	Question ID : 441009762919 Correct Option : 4

Q.57 Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) W D O X G @ L + G @ G B D ? L W F \ \$ W C (Right)

How many such symbols are there, each of which is immediately preceded by a symbol and also immediately followed by a letter?

Ans

1. Four
2. Two
3. Three
4. One ✓

Question ID :
441009788365
Correct Option : 4

Q.58 Seven people, L, O, W, J, X, F and D, are sitting in a row, facing north. Only two people sit to the right of D. Only three people sit between F and D. L is the immediate neighbour of O and J. X sits second to the right of O. How many people sit between W and J?

Ans

1. Three
2. Two
3. Four ✓
4. Five

Question ID :
4410091573943
Correct Option : 3

Q.59 Kalbelia, a UNESCO-recognised dance with snake-like movements, is native to which Indian state?

Ans

1. Rajasthan ✓
2. Punjab
3. Assam
4. Gujarat

Question ID :
4410091898292
Correct Option : 1

Q.60 Which Constitutional Amendment Act sought to replace the collegium system with the National Judicial Appointments Commission (NJAC)?

Ans

1. One Hundred and Second Constitutional Amendment
2. Ninety-Seventh Constitutional Amendment
3. Ninety-Ninth Constitutional Amendment ✓
4. One Hundred and First Constitutional Amendment

Question ID :
4410091573920
Correct Option : 3

Q.61 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Question: 5 friends, A, B, N, O and R, are of different ages. Who among them is the youngest? (I) Only two people are younger than A. N is older than B. (II) B is younger than A. O is younger than B. Ans 1. Data in both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question ✓ 2. Data in both statements I and II together are NOT sufficient to answer the question 3. Data in statement II alone is sufficient to answer the question while data in statement I is not 4. Data in statement I alone is sufficient to answer the question while data in statement II is not	Question ID : 4410091077579 Correct Option : 1
Q.62 The World Trade Organization (WTO) was established in which year? Ans 1. 1996 2. 1992 3. 1993 4. 1995 ✓	Question ID : 4410091507264 Correct Option : 4
Q.63 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only. (Left) L D I V B A N I Y G R A W Y Z K I X U I Y Z (Right) How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel? Ans 1. 4 ✓ 2. 5 3. 6 4. 3	Question ID : 441009769385 Correct Option : 1
Q.64 Which sector received the highest priority under India's Second Five-Year Plan? Ans 1. Heavy Industries ✓ 2. Rural Crafts 3. Information Technology 4. Crop Insurance	Question ID : 4410091518425 Correct Option : 1

Q.65 A, B, C, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only two people live below B. A lives on an odd-numbered floor but not on floor number 1. E lives immediately above C. F does not live above D.

How many people live below F ?

Ans

1. Three ✓

2. Two

3. Four

4. One

Question ID : 441009712177
Correct Option : 1

Q.66 Mahesh has borrowed an amount of ₹2,40,000 from a bank to start a business. How much simple interest (in ₹) will he pay at a rate of 7% per annum after 3 years?

Ans

1. 52,400

2. 51,400

3. 49,400

4. 50,400 ✓

Question ID :
441009570386
Correct Option : 4

Q.67 A cylindrical pillar has diameter 140 cm and height 10 m. Find the cost (in ₹) of painting its curved surface at the rate of ₹10 per m². (Use $\pi = 22/7$.)

Ans

1. ₹420

2. ₹450

3. ₹402

4. ₹440 ✓

Question ID :
441009600622
Correct Option : 4

Q.68 The Brahmaputra river enters India through which of the following states?

Ans

1. Meghalaya

2. Nagaland

3. Assam

4. Arunachal Pradesh ✓

Question ID :
4410092063740
Correct Option : 4

Q.69 Each letter in the word BUTHORING is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

Ans

1. N ✓

2. H

3. Q

4. M

Question ID :
441009780206
Correct Option : 1

Q.70 Read the given statements and select the correct option. Statement 1: The image formed by a concave mirror when the object is beyond the center of curvature (C) is real, inverted, and diminished between C and F. Statement 2: The image formed by a concave mirror when the object is beyond the center of curvature (C) is real, inverted, and magnified beyond C. Ans - Both the statements 1 and 2 are incorrect. - Both the statements 1 and 2 are correct. - Only statement 2 is correct. Only statement 1 is correct. ✓	Question ID : 4410091352840 Correct Option : 4
Q.71 Which structure within the nucleus is responsible for the synthesis of ribosomal subunits? Ans Nucleolus ✓ - Nuclear envelope - Nuclear pore - Chromatin	Question ID : 4410092131334 Correct Option : 1
Q.72 Which movement was launched by Mahatma Gandhi in 1919 against a British law that authorised detention of political prisoners without trial? Ans - Kheda Satyagraha - Champaran Satyagraha - Ahmedabad Textile Mill Labour Satyagraha Rowlatt Satyagraha ✓	Question ID : 4410091732097 Correct Option : 4
Q.73 Which of the following best explains how the Right to Information (RTI) Act promotes the principles of good governance in India? Ans By ensuring maximum transparency and accountability in public authorities ✓ - By allowing public officials to keep internal decisions entirely secret - By giving the citizens a right to change existing government policies - By replacing traditional courts with independent citizen-led tribunals	Question ID : 4410092063716 Correct Option : 1
Q.74 Which of the following are examples of man-made ecosystems? Ans - Grasslands and aquariums - Gardens and forests - Zoos and forests Gardens and crop-fields ✓	Question ID : 441009651824 Correct Option : 4
Q.75 If the mean of a data set is 60 and the mode is 50, find the median using the empirical relation among mean, median, and mode. (Rounded off to the nearest integer) Ans 55 57 ✓ 58 60	Question ID : 4410092058493 Correct Option : 2

Q.76 A student accidentally spills hydrochloric acid and then adds sodium hydroxide solution. What will be the result of this action according to the neutralisation reaction described? Ans 1. The acid will become more concentrated 2. No reaction will occur 3. The acid will be neutralised, forming salt and water ✓ 4. The base will turn into an acid	Question ID : 4410091721185 Correct Option : 3
Q.77 Which Indian cricketer became the all-time leading six-hitter in ODI (One Day International) cricket in November 2025? Ans 1. Virat Kohli 2. Rishabh Pant 3. Rohit Sharma ✓ 4. MS Dhoni	Question ID : 4410091595651 Correct Option : 3
Q.78 Which of the following is the Section of the Indian Constitution that sets forth its basic principles, goals, and moral philosophy at the outset? Ans 1. Fundamental Rights 2. Directive Principles of State Policy 3. Fundamental Duties 4. Preamble ✓	Question ID : 4410091502549 Correct Option : 4
Q.79 The prestigious 'Nritya Kalanidhi' award, presented during the 19th Dance Festival in Chennai in January 2026, was conferred upon which classical dancer? Ans 1. Sonal Mansingh 2. Urmila Satyanarayanan ✓ 3. Rukmini Devi 4. Padma Subrahmanyam	Question ID : 4410092067320 Correct Option : 2
Q.80 During a clinical examination, a child presents with abnormally short stature. The doctor suspects a hormonal deficiency affecting growth and development. Which gland is most likely responsible for this condition? Ans 1. Pancreas 2. Pituitary gland ✓ 3. Thyroid gland 4. Adrenal gland	Question ID : 4410091763577 Correct Option : 2
Q.81 A trader sells two items at ₹1,000 each. On one he gains 25% and on the other he loses 20%. What is his overall gain or loss? Ans 1. Gain of ₹50 ✓ 2. Loss of ₹50 3. No profit, no loss 4. Loss of ₹100	Question ID : 441009563973 Correct Option : 1

Q.82 A sum of ₹2720 is distributed among three persons, P, Q, and R, such that P receives two-thirds of Q's share, and Q receives one-fourth of R's share. Find the share of R. Ans 1. ₹1920 ✓ 2. ₹1918 3. ₹1924 4. ₹1922	Question ID : 4410091465487 Correct Option : 1
Q.83 Which statement correctly describes a neutron present in an atom? Ans 1. It has no electrical charge and has negligible mass 2. It has positive charge and has negligible mass 3. It has negative charge and has significant mass 4. It has no electrical charge and has significant mass ✓	Question ID : 4410091646794 Correct Option : 4
Q.84 Which of the following is a popular tribal language spoken in the state of Tripura? Ans 1. Yoruba 2. Kokborok ✓ 3. Khasi 4. Zulu	Question ID : 4410091520575 Correct Option : 2
Q.85 If the mass of an object is 500 g and it is accelerating at 4 m/s^2, what is the force acting on it? Ans 1. 2000 N 2. 200 N 3. 2 N ✓ 4. 20 N	Question ID : 4410091615311 Correct Option : 3
Q.86 The ability of a solute to dissolve in a solvent is called: Ans 1. Solubility ✓ 2. Miscibility 3. Diffusion 4. Concentration	Question ID : 4410091449291 Correct Option : 1
Q.87 If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation? 4 B 2 D 4 A 2 C 3 = ? Ans 1. 5 2. 11 3. 7 4. 9 ✓	Question ID : 441009989879 Correct Option : 4

Q.88 The price of a commodity increases by 10% every year. After 2 years, it becomes ₹1,210. What was the original price? Ans 1. ₹960 2. ₹1,100 3. ₹1,000 ✓ 4. ₹900	Question ID : 441009855693 Correct Option : 3
Q.89 A circle is inscribed in ΔABC, touching AB, BC and AC at points P, Q and R, respectively. If $AB - BC = 6$ cm, $AB - AC = 4$ cm and the perimeter of $\Delta ABC = 41$ cm, then the value of $PB + AR$ (in cm) is: Ans 1. 15 2. 19 3. 17 ✓ 4. 21	Question ID : 441009592439 Correct Option : 3
Q.90 What should come in place of the question mark (?) in the given series? 591, 592, 590, 591, ?, 590 Ans 1. 591 2. 588 3. 589 ✓ 4. 590	Question ID : 441009588529 Correct Option : 3
Q.91 SRSR is related to UTUT in a certain way based on the English alphabetical order. In the same way, ONON is related to QPQP. To which of the given options is NMNM related, following the same logic? Ans 1. PNOO 2. POOO 3. POPO ✓ 4. PPOW	Question ID : 441009769426 Correct Option : 3
Q.92 Why is the classification of organisms most important for understanding and conserving biodiversity? Ans 1. It assigns random names to species. 2. It helps us study vast diversity systematically. ✓ 3. It completely stops ecosystem changes 4. It prevents organisms from evolving.	Question ID : 4410092131347 Correct Option : 2
Q.93 L is the father of I. I is the son of M. S is the brother of T. T is the son of M. How is L related to T? Ans 1. Husband 2. Brother 3. Father ✓ 4. Son	Question ID : 4410091568522 Correct Option : 3

Q.94 Which of the following Indian states shares a border with both, Nepal and Bhutan? Ans 1. Arunachal Pradesh 2. Assam 3. Sikkim ✓ 4. Bihar	Question ID : 4410091667248 Correct Option : 3
Q.95 The average monthly savings of 8 families is ₹4,500. If one more family joins the group with a monthly savings of ₹6,300, what is the new average monthly savings of the 9 families? Ans 1. ₹4,800 2. ₹4,900 3. ₹4,600 4. ₹4,700 ✓	Question ID : 4410092058352 Correct Option : 4
Q.96 The present value of a factory machine is ₹2,91,600. It has been depreciating at a constant rate of 10% per annum since it was purchased 3 years ago. What is the sum of its value exactly 1 year ago and the total monetary depreciation it will have undergone from its date of purchase to the end of 4 years? Ans 1. ₹4,75,200 2. ₹4,80,560 3. ₹4,50,000 4. ₹4,61,560 ✓	Question ID : 4410092058365 Correct Option : 4
Q.97 A sound wave has a frequency of 600.0 Hz and a wavelength of 0.5 m. What is the speed of the sound wave? Ans 1. 1200.0 m/s 2. 300.0 m/s ✓ 3. 600.5 m/s 4. 30.0 m/s	Question ID : 4410091241101 Correct Option : 2
Q.98 12 is related to 5 following a certain logic. Following the same logic, 24 is related to 17. To which of the given options is 19 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their 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.) Ans 1. 10 2. 9 3. 8 4. 12 ✓	Question ID : 441009591364 Correct Option : 4

Q.99 Which of the following institutions signed a five-year cutting-edge research and development agreement with the Unique Identification Authority of India (UIDAI) in August 2025 to enhance the robustness, security, and reliability of Aadhaar operations through data-driven innovations?

Ans

1. Centre for Development of Advanced Computing
2. **Indian Statistical Institute ✓**
3. National Informatics Centre
4. Symbiosis Statistical Institute

Question ID :
4410091560743
Correct Option : 2

Q.100 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GWY KBC OGG SLK ?

Ans

1. XPN
2. VPN
3. **WQO ✓**
4. XRP

Question ID :
4410091409228
Correct Option : 3