



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD  
CEN 07/2024 - मिनिस्ट्रियल और आइसोलेटेड कोटियाँ / CEN 07/2024 - Ministerial & Isolated Categories



Test Date	12/09/2025
Test Time	12:45 PM - 2:15 PM
Subject	Assistant Teacher

\* Note  
Correct Answer will carry 1 mark per Question.  
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.  
2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Professional Ability

Q.1 Which of the following is NOT a characteristic of an effective teaching strategy?

- Ans ☒ A. Captures and maintains interest  
☒ B. Discourages critical thinking  
☒ C. Applies learning in problem-solving  
☒ D. Stimulates self-learning

Q.2 A good textbook should be written in a style that is \_\_\_\_\_.

- Ans ☒ A. difficult and technical  
☒ B. abstract and confusing  
☒ C. clear, simple and interesting  
☒ D. lengthy and detailed

Q.3 The list of possible variations among people is:

- Ans ☒ A. Fixed at birth  
☒ B. Limited to physical traits  
☒ C. Endless  
☒ D. Very short

Q.4 Rohan excels in critical thinking and can handle symbols to solve numerical problems. He is also very good at understanding other people's feelings, motives, and desires. According to Howard Gardner's Theory of Multiple Intelligences, which two types of intelligence does Rohan show?

- Ans ☒ A. Logical-Mathematical Intelligence and Interpersonal Intelligence  
☒ B. Logical-Mathematical and Spatial Intelligence  
☒ C. Spatial Intelligence and Intrapersonal Intelligence  
☒ D. Logical-Mathematical Intelligence and Intrapersonal Intelligence

Q.5 Who developed the theory of classical conditioning?

- Ans ☒ A. Albert Bandura  
☒ B. BF Skinner  
☒ C. Wolfgang Kohler  
☒ D. Ivan P Pavlov

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**Q.6** Which of the following is NOT a criteria evolved by psychologists to judge the adequacy of adjustment?

- Ans**
- ☐ A. Physical health
  - ☐ B. Psychological comfort
  - ☐ C. Work efficiency
  - ☒ D. Social negligence

**Q.7** The quality and utility of a textbook mainly depend on the:

- Ans**
- ☒ A. Author
  - ☐ B. Publisher's logo
  - ☐ C. School building
  - ☐ D. Printer

**Q.8** Twins developed from same egg are called \_\_\_\_\_.

- Ans**
- ☒ A. Monozygotic twins
  - ☐ B. Different twins
  - ☐ C. Dizygotic twins
  - ☐ D. Bizygotic twins

**Q.9** According to JP Guilford's Structure of Intellect model, intelligence is organised into three dimensions. Which of the following correctly identifies these three dimensions?

- Ans**
- ☐ A. Cognition, Memory, Evaluation
  - ☒ B. Operations, Contents, Products
  - ☐ C. Verbal, Numerical, Spatial
  - ☐ D. Analytical, Creative, Practical

**Q.10** Remedial teaching is carried out \_\_\_\_\_.

- Ans**
- ☐ A. without any evaluation
  - ☐ B. only at the end of the year
  - ☐ C. before diagnostic evaluation
  - ☒ D. after diagnostic evaluation

**Q.11** What is defined as a process of behavior modification through experiences, exercise, and efforts?

- Ans**
- ☐ A. Maturation
  - ☒ B. Learning
  - ☐ C. Motivation
  - ☐ D. Conditioning

**Q.12** Which is the correct formula to calculate Intelligence Quotient(IQ)?

- Ans**
- ☐ A.  $IQ = (Mental\ Age \times Chronological\ Age) \div 100$
  - ☐ B.  $IQ = (Chronological\ Age \div Mental\ Age) \times 100$
  - ☐ C.  $IQ = (Chronological\ Age - Mental\ Age) \times 100$
  - ☒ D.  $IQ = (Mental\ Age \div Chronological\ Age) \times 100$

**Q.13** The first step in remedial teaching is to \_\_\_\_\_.

- Ans**
- ☐ A. assess the learner's prior knowledge
  - ☐ B. prepare enrichment activities
  - ☒ C. conduct a diagnostic test
  - ☐ D. select teaching aids

Q.14 Which of the following is NOT an example of low-cost teaching learning materials?

- Ans
- ☒

 A. Smart Board
- ☐

 B. A neighbourhood map
- ☐

 C. Matchsticks
- ☐

 D. Cardboards

Q.15 Multilingual education promotes \_\_\_\_\_.

- Ans
- ☒

 A. cognitive flexibility and cultural inclusivity
- ☐

 B. memorisation of vocabulary lists only
- ☐

 C. language suppression
- ☐

 D. restriction of communication

Q.16 Which shortcut allows a user to search for a specific word or phrase within a document or webpage?

- Ans
- ☐

 A. Ctrl + C
- ☐

 B. Ctrl + Tab
- ☒

 C. Ctrl + F
- ☐

 D. Ctrl + S

Q.17 Which of the following is NOT related to remedial learning?

- Ans
- ☐

 A. Inclusivity and equal opportunities
- ☐

 B. Emotional wellbeing
- ☒

 C. Consistency in academic performance
- ☐

 D. Customised learning

Q.18 Growth and development result from:

- Ans
- ☐

 A. Environment only
- ☐

 B. Nutrition only
- ☐

 C. Heredity only
- ☒

 D. A combination of heredity and environment

Q.19 Learning that becomes evident only when the occasion for using it arises is called:

- Ans
- ☐

 A. Imitation
- ☐

 B. Modelling
- ☒

 C. Latent Learning
- ☐

 D. Conditioning

Q.20 In education, multi-media refers to the incorporation of \_\_\_\_\_.

- Ans
- ☐

 A. just charts and images
- ☐

 B. just the physical models
- ☐

 C. just the teacher's talk
- ☒

 D. interactivity, text, sound, images and animations

Q.21 The neonatal stage extends from:

- Ans
- ☐

 A. 28 days to 1 year
- ☐

 B. Birth to 1 year
- ☐

 C. Birth to 6 months
- ☒

 D. Birth to 28 days

**Q.22** What is a general capacity of an individual to consciously adjust his thinking to new requirements?

- Ans

☒

A. Intelligence
- ☐

B. Aptitude
- ☐

C. Motivation
- ☐

D. Creativity

**Q.23** For psychologists, individual differences refer to:

- Ans

☐

A. Only talents in sports
- ☐

B. Similarities among people
- ☒

C. Variations in characteristics and behaviour
- ☐

D. Only physical differences

**Q.24** A teacher notices that two students, who are the same age and share similar socio-economic backgrounds and schooling, display noticeably different speeds in solving problems. Which factor is most likely to explain this difference?

- Ans

☒

A. Interaction of genes and environment
- ☐

B. The teacher's grading policy
- ☐

C. Peer pressure in the classroom environment
- ☐

D. Only environmental opportunities

**Q.25** Various degrees of psychological traits are normally distributed in the population which resembles a \_\_\_\_\_ curve.

- Ans

☐

A. U shape
- ☐

B. V shape
- ☒

C. Bell shape
- ☐

D. Inverse U shape

**Q.26** Which of the following is NOT a barrier to communication?

- Ans

☐

A. Semantic barrier
- ☒

B. Cognitive barrier
- ☐

C. Physical Barrier
- ☐

D. Personal barrier

**Q.27** What do the acronyms MA and CA mean in the conventional formula for calculating Intelligence Quotient (IQ)?

- Ans

☐

A. Chronological Aptitude (CA) and Mental Aptitude (MA)
- ☐

B. Present Age (CA) and Maximum Ability (MA)
- ☐

C. Cognitive Ability (CA) and Memory Assessment (MA)
- ☒

D. Chronological Age (CA) and Mental Age (MA)

**Q.28** Which FM channel is dedicated to educational broadcasts in India?

- Ans

☒

A. Gyan Vani
- ☐

B. All India Radio
- ☐

C. Radio Mirchi
- ☐

D. Vividh Bharati

**Q.29** The hereditary factor hidden within the chromosome is called:

- Ans

☒

A. Genes
- ☐

B. Ribosomes
- ☐

C. Nucleus
- ☐

D. Mitochondria

Q.30 Arrange the steps involved in remedial learning chronologically.

- 1. Identifying the specific nature of learning difficulty
- 2. Determining the factor causing learning difficulties
- 3. Identifying individual students/groups having learning difficulties
- 4. Applying remedial measures

- Ans
- ☐ A. 3-2-1-4
  - ☐ B. 2-1-4-3
  - ☐ C. 1-4-2-3
  - ☒ D. 3-1-2-4

Q.31 Which of the following is an example of a system software?

- Ans
- ☐ A. Google Chrome
  - ☒ B. Device driver
  - ☐ C. Microsoft Word
  - ☐ D. Adobe Illustrator

Q.32 While writing a textbook for students at elementary level, the authors must ensure:

- Ans
- ☐ A. The language should be complex
  - ☐ B. To not include any activity
  - ☐ C. The presentation of the content is unconventional
  - ☒ D. To provide authentic content knowledge

Q.33 Which of the following is NOT a characteristic of a well-adjusted person?

- Ans
- ☐ A. Independent in decision making
  - ☐ B. Maturity in thinking
  - ☒ C. Emotionally fragile
  - ☐ D. Warm and understanding towards others

Q.34 Adequate nutrition helps the body fight diseases primarily by:

- Ans
- ☒ A. Improving immune function
  - ☐ B. Increasing body temperature
  - ☐ C. Reducing caloric intake
  - ☐ D. Promoting weight gain

Q.35 Which instructional strategy is most effective for enabling students to practice and apply communication skills in a safe, controlled, and interactive environment?

- Ans
- ☐ A. Independent reading assignments
  - ☒ B. Role-playing scenarios
  - ☐ C. Lecture-based instruction
  - ☐ D. Written essay assignments

Q.36 In the early 1900s, which psychologist coined the term ‘Mental Age’?

- Ans
- ☐ A. Robert Sternberg
  - ☐ B. David Wechsler
  - ☒ C. Alfred Binet
  - ☐ D. Charles Spearman

Q.37 Using students’ native tongue in the classroom is regarded as \_\_\_\_\_.

- Ans
- ☒

 A. an invaluable educational resource
- ☐

 B. a barrier to learning English exclusively
- ☐

 C. difficulty in developing a concept
- ☐

 D. wastage of classroom time

Q.38 The term personality originates from the Latin word persona, which originally referred to:

- Ans
- ☐

 A. The soul of an individual
- ☐

 B. The character traits of a hero
- ☒

 C. The mask worn by actors in Roman theatre
- ☐

 D. The inner thoughts of a person

Q.39 Which of the following theories stresses upon observational learning?

- Ans
- ☐

 A. Latent learning
- ☐

 B. Sign learning
- ☐

 C. Insight learning
- ☒

 D. Social learning

Q.40 When choosing a textbook, educators should make sure that it \_\_\_\_\_.

- Ans
- ☐

 A. has as many pages as feasible
- ☐

 B. promotes memorisation
- ☒

 C. aligns with the syllabus and curriculum
- ☐

 D. only covers challenging subjects

Q.41 In education, multimedia resources are used to:

- Ans
- ☐

 A. make classrooms lively and engaging exclusively
- ☐

 B. pay attention to written materials
- ☐

 C. fully replace the instructor
- ☒

 D. enhance learning through a variety of senses

Q.42 Twins that are different from each other because of different pairs of germ cells are called:

- Ans
- ☐

 A. Different twins
- ☐

 B. Maternal twins
- ☒

 C. Fraternal twins
- ☐

 D. Paternal twins

Q.43 Events or consequences which strengthens behaviour when they are presented is called:

- Ans
- ☒

 A. Positive reinforcement
- ☐

 B. Insight learning
- ☐

 C. Punishment
- ☐

 D. Negative reinforcement

Q.44 Which of the following is NOT part of Primary Mental Abilities Theory?

- Ans
- ☐

 A. Spatial Relations
- ☒

 B. Mechanical ability
- ☐

 C. Verbal Comprehension
- ☐

 D. Numerical Abilities



Q.45	Which of the following is NOT a function of the Central Processing Unit (CPU) in a computer system?
Ans	<div><div><input type="checkbox"/></div><div>A. Controlling the sequence of program execution</div></div> <div><div><input type="checkbox"/></div><div>B. Fetching instructions from memory</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. Managing input and output devices directly</div></div> <div><div><input type="checkbox"/></div><div>D. Executing arithmetic and logic operations</div></div>
Q.46	The ratio between the number of responses required and the rewards given is constant is called:
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Fixed ratio reinforcement</div></div> <div><div><input type="checkbox"/></div><div>B. Variable ratio reinforcement</div></div> <div><div><input type="checkbox"/></div><div>C. Fixed reinforcement</div></div> <div><div><input type="checkbox"/></div><div>D. Proportional reinforcement</div></div>
Q.47	In Windows operating systems, which power-saving mode stores the current session in the system's RAM while keeping the hardware in a low-power state, allowing for a faster resume compared to its options?
Ans	<div><div><input type="checkbox"/></div><div>A. Hibernate</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. Sleep</div></div> <div><div><input type="checkbox"/></div><div>C. Hybrid Sleep</div></div> <div><div><input type="checkbox"/></div><div>D. Fast Startup</div></div>
Q.48	Drill method was traditionally used to teach:
Ans	<div><div><input type="checkbox"/></div><div>A. Computer Science</div></div> <div><div><input type="checkbox"/></div><div>B. Social Science</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. Mathematics</div></div> <div><div><input type="checkbox"/></div><div>D. Science</div></div>
Q.49	Diagnostic evaluation in education mainly helps in _____.
Ans	<div><div><input type="checkbox"/></div><div>A. conducting final examinations</div></div> <div><div><input type="checkbox"/></div><div>B. promoting memorisation of facts</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. detecting the strengths and weaknesses of learners</div></div> <div><div><input type="checkbox"/></div><div>D. preparing students for competitive exams</div></div>
Q.50	Which of the following can be considered as interactive multimedia material?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Digital simulations and e-learning modules</div></div> <div><div><input type="checkbox"/></div><div>B. Printed handouts</div></div> <div><div><input type="checkbox"/></div><div>C. Flashcards</div></div> <div><div><input type="checkbox"/></div><div>D. Wall charts</div></div>

Section : General Ability

Q.51	<p>Select the set in which the numbers are related in the same way as are the numbers of the following sets.</p> <p>(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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)</p> <p>(198, 170, 142) (214, 186, 158)</p>
Ans	<div><div><input type="checkbox"/></div><div>A. (116, 98, 86)</div></div> <div><div><input type="checkbox"/></div><div>B. (235, 207, 169)</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. (142, 114, 86)</div></div> <div><div><input type="checkbox"/></div><div>D. (168, 140, 102)</div></div>



Q.52 A mobile phone with a marked price ₹ 16,800 was sold for ₹ 13,944. What is the percentage discount given on the sale of the mobile phone.

- Ans
- ☒ A. 16%
  - ☒ B. 17%
  - ☒ C. 15%
  - ☒ D. 18%

Q.53 Majuli Island is located in which Indian state?

- Ans
- ☒ A. Assam
  - ☒ B. West Bengal
  - ☒ C. Odisha
  - ☒ D. Andhra Pradesh

Q.54 This question is based on the following words.  
PAN YEW CRY URN  
How many letters are there in the English alphabetical order between the second letter of the second word from the right and the third letter of the second word from the left?

- Ans
- ☒ A. 4
  - ☒ B. 6
  - ☒ C. 5
  - ☒ D. 8

Q.55 Which of the following ecological concepts best defines the process by which a body of water becomes overly enriched with nutrients, primarily nitrogen and phosphorus, leading to an excessive growth of algae and other simple plant life?

- Ans
- ☒ A. Eutrophication
  - ☒ B. Ecological succession
  - ☒ C. Bioaccumulation
  - ☒ D. Biomagnification

Q.56 A, B, C, D, P, Q and R are sitting around a circular table facing the centre of the table. A sits to the immediate left of R. B sits to the immediate left of D. D sits second to the left of Q. P sits third to the left of R. Who sits fourth to the right of C?

- Ans
- ☒ A. B
  - ☒ B. D
  - ☒ C. Q
  - ☒ D. A

Q.57 Who became the first Indian wicketkeeper to score centuries in both innings of a Test match?

- Ans
- ☒ A. Dinesh Karthik
  - ☒ B. Mahendra Singh Dhoni
  - ☒ C. Wriddhiman Saha
  - ☒ D. Rishabh Pant

Q.58 Which of the following Articles of the Indian Constitution in Part VIII of the Constitution deals with the union territories?

- Ans
- ☒ A. Articles 249 to 261
  - ☒ B. Articles 239 to 241
  - ☒ C. Articles 235 to 239
  - ☒ D. Articles 259 to 271

Q.59 What happens when the vibration of a sound source becomes faster?

- Ans
- ☒ A. The frequency and pitch both increase.
  - ☐ B. The frequency and pitch both decrease.
  - ☐ C. The pitch stays the same regardless of the vibration speed.
  - ☐ D. The frequency increases, but pitch decreases.

Q.60 GLAS is related to KPWO in a certain way based on the English alphabetical order. In the same way, OTSK is related to SXOG. To which of the given options is WBKC related, following the same logic?

- Ans
- ☒ A. AFGY
  - ☐ B. BDHY
  - ☐ C. ZGFX
  - ☐ D. BEHZ

Q.61 Find the value of  $\frac{\sqrt{0.01}}{\sqrt{0.0025}}$ .

- Ans
- ☐ A. 16
  - ☒ B. 2
  - ☐ C. 22
  - ☐ D. 7

Q.62 In a certain code language, 'FIST' is coded as '3962' and 'SOFT' is coded as '3562'. What is the code for 'O' in the given code language?

- Ans
- ☒ A. 5
  - ☐ B. 2
  - ☐ C. 6
  - ☐ D. 9

Q.63 Which of the following statements are correct?  
(i) Solid CO<sub>2</sub> is called dry ice.  
(ii) Solid CO<sub>2</sub> changes directly into gas at 1 atm pressure.  
(iii) Pressure and temperature can change the state of matter.  
(iv) Solid CO<sub>2</sub> melts into liquid CO<sub>2</sub> before becoming gas.

- Ans
- ☐ A. (i) and (iv) only
  - ☐ B. (i), (ii), (iii) and (iv)
  - ☐ C. (ii) and (iv) only
  - ☒ D. (i), (ii) and (iii) only

Q.64 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster 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
- ☐ A. USW
  - ☐ B. AYC
  - ☒ C. GFI
  - ☐ D. LJN

Q.65  $\tan \frac{20\pi}{21} - \tan \frac{2\pi}{7} + \sqrt{3} \tan \frac{2\pi}{7} \tan \frac{20\pi}{21} = ?$

- Ans

✓ A.  $-\sqrt{3}$

✗ B.  $\frac{1}{\sqrt{3}}$

✗ C.  $-\frac{1}{\sqrt{3}}$

✗ D.  $\sqrt{3}$

Q.66 In an eukaryotic cell, the thread-like structures carrying genetic information are mainly found in the:

- Ans

✗ A. Ribosome

✓ B. Nucleus

✗ C. Golgi body

✗ D. Cytoplasm

Q.67 If ‘A’ stands for ‘÷’, ‘B’ stands for ‘×’, ‘C’ stands for ‘+’ and ‘D’ stands for ‘−’, then what will come in place of the question mark (?) in the following equation?

33 A 3 C 4 B 2 D 4 A 2 = ?

- Ans

✗ A. 19

✗ B. 14

✗ C. 11

✓ D. 17

Q.68 50 Ω, 50 Ω and 100 Ω resistors are connected in series in a circuit. They can be replaced with a single resistor of \_\_\_\_\_ in the circuit.

- Ans

✗ A. 0.05 Ω

✗ B. 100 Ω

✓ C. 200 Ω

✗ D. 20 Ω

Q.69 Refer to the number series given below and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 7 5 8 9 2 8 7 1 6 8 2 9 8 5 2 8 2 6 4 4 7 8 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans

✗ A. Two

✗ B. Three

✗ C. One

✓ D. None

Q.70 Italia Gopal, who won the Visavadar (Gujarat) Assembly Constituency in the June 2025 bye-election, represents which political party?

- Ans

✓ A. Aam Aadmi Party

✗ B. Bahujan Samaj Party

✗ C. Bharatiya Janata Party

✗ D. Indian National Congress

Q.71 In a certain code language, NOSE is written as EPTN and NOTE as EPUN. How will NAME be written in the same code?

- Ans
- ☐ A. NBNE
  - ☐ B. NAME
  - ☐ C. EMAN
  - ☒ D. EBNN

Q.72 This question is based on the following words.

(Left) ONE TWO BEN MUG (Right)

If 'C' is added before each word, which of these words will form meaningful English word(s)?

- Ans
- ☐ A. Both MUG and ONE
  - ☐ B. Both ONE and TWO
  - ☐ C. Only BEN
  - ☒ D. Only ONE

Q.73 One pipe can fill the tank in 12 min while another pipe can empty completely filled tank in 21 min. If both the pipes are operated together on empty tank, how long (in min) will it take to fill one-fourth of the tank?

- Ans
- ☒ A. 7
  - ☐ B. 21
  - ☐ C. 28
  - ☐ D. 14

Q.74 Amit borrows a sum of money from Avinash for 2 years at 5% simple interest per annum. After 2 years, he repays ₹6,666 in full settlement of the loan. How much interest did Amit pay?

- Ans
- ☐ A. ₹612
  - ☒ B. ₹606
  - ☐ C. ₹600
  - ☐ D. ₹610

Q.75 Seven boxes E, F, G, H, S, T and U are kept one over the other but not necessarily in the same order. Only three boxes are kept above G. Only one box is kept between E and G. Only three boxes are kept between E and U. U is kept at some place above G. T is kept immediately below U. S is kept at one of the places above F. H is not kept immediately above or below E. Which box is kept at the lowermost position?

- Ans
- ☒ A. F
  - ☐ B. E
  - ☐ C. T
  - ☐ D. S

Q.76 Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Copper wire in iron sulphate solution shows no visible reaction.  
Reason (R): Copper is less reactive than iron.

- Ans
- ☐ A. Both A and R are true, but R is not the correct explanation of A.
  - ☒ B. Both A and R are true, and R is the correct explanation of A.
  - ☐ C. A is true, but R is false.
  - ☐ D. A is false, but R is true.

**Q.77** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

**Statements:**

All flies are insects.  
All insects are lasers.

**Conclusions:**

(I) Some lasers are insects.  
(II) All flies are lasers.

- Ans**
- ☒ A. Neither conclusion (I) nor (II) follows.
  - ☒ B. Only conclusion (I) follows.
  - ☒ C. Both conclusions (I) and (II) follow.
  - ☒ D. Only conclusion (II) follows.

**Q.78** What amount was allocated for the COVID-19 vaccine in the 2021-22 Budget?

- Ans**
- ☒ A. ₹50,000 crore
  - ☒ B. ₹45,000 crore
  - ☒ C. ₹25,000 crore
  - ☒ D. ₹35,000 crore

**Q.79** Which of the following statements correctly describes the relationship among the incident ray, the refracted ray, and the normal at the point of incidence when light passes from one transparent medium to another?

- Ans**
- ☒ A. The incident ray, the refracted ray, and the normal all lie in the same plane at the point of incidence.
  - ☒ B. The normal is always at a 90° angle to the refracted ray.
  - ☒ C. They all travel in different directions randomly.
  - ☒ D. Only the incident and refracted rays lie in the same plane, excluding the normal.

**Q.80** Which of the following Amendments has put a constitutional obligation upon states to enact the Panchayati Raj Acts as per the provisions of Part IX of the Indian Constitution?

- Ans**
- ☒ A. 74<sup>th</sup> Amendment 1992
  - ☒ B. 73<sup>rd</sup> Amendment 1992
  - ☒ C. 86<sup>th</sup> Amendment 2002
  - ☒ D. 91<sup>st</sup> Amendment 2003

**Q.81** Three friends A, B, and C started a business by investing ₹6,000, ₹8,000, and ₹10,000 respectively. If their total profit at the end of the year is ₹12,000, what is C's share?

- Ans**
- ☒ A. ₹5,000
  - ☒ B. ₹4,500
  - ☒ C. ₹4,000
  - ☒ D. ₹5,500

**Q.82** A producer has 5000 J of energy. If only 10% of energy is transferred between trophic levels, how much energy will be available to the secondary consumer?

- Ans**
- ☒ A. 500 J
  - ☒ B. 50 J
  - ☒ C. 25 J
  - ☒ D. 5 J

Q.83 A cyclist travels at 18 km/hr for 2.5 hours. What distance does he cover?

- Ans
- ☐ A. 43 km
  - ☒ B. 45 km
  - ☐ C. 48 km
  - ☐ D. 40 km

Q.84 Why is Cuscuta called a parasitic plant?

- Ans
- ☐ A. It produces its own food via photosynthesis.
  - ☐ B. It traps insects for nitrogen.
  - ☐ C. It grows in soil independently.
  - ☒ D. It depends on a host plant for nutrition.

Q.85 Who has written the book ‘Siddhartha: The Boy Who Became the Buddha’ (Novel) which was awarded with 2025 Sahitya Akademi Yuva Puraskar in English?

- Ans
- ☐ A. Koushik Goswami
  - ☐ B. Harleen Kaur
  - ☐ C. Anurag Bhaskar
  - ☒ D. Advait Kottary

Q.86 Which among the following states in India has the longest coastal boundary?

- Ans
- ☐ A. Andhra Pradesh
  - ☒ B. Gujarat
  - ☐ C. Maharashtra
  - ☐ D. West Bengal

Q.87 If ‘I’ stands for ‘+’, ‘J’ stands for ‘×’, ‘K’ stands for ‘÷’, and ‘L’ stands for ‘–’, then what will come in place of the question mark (?) in the following equation?

6 K 2 J 4 L 3 I 9 = ?

- Ans
- ☒ A. 18
  - ☐ B. 26
  - ☐ C. 30
  - ☐ D. 23

Q.88 Which of the following was the immediate cause for the rise of the Extremist movement in India?

- Ans
- ☒ A. Partition of Bengal (1905)
  - ☐ B. Jallianwala Bagh massacre (1919)
  - ☐ C. The passing of the Rowlatt Act (1919)
  - ☐ D. Arrest of Bal Gangadhar Tilak (1908)

Q.89 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FAT ZUN TOH NIB ?

- Ans
- ☐ A. HVC
  - ☐ B. HVG
  - ☒ C. HCV
  - ☐ D. HGT

Q.90 Which of the following leaders is associated with the Extremist phase?

- Ans
- ☐ A. Dadabhai Naoroji
  - ☐ B. Gopal Krishna Gokhale
  - ☒ C. Bal Gangadhar Tilak
  - ☐ D. Mahatma Gandhi

Q.91 The sum of the age of A and 5 times the age of B is 36 years. When 3 times the age of A is added to 7 times the age of B, the result is 62 years. The sum of the ages (in years) of A and B is:

- Ans
- ☐ A. 16
  - ☐ B. 18
  - ☐ C. 12
  - ☒ D. 13

Q.92 In May 2025, ISRO’s 101<sup>st</sup> launch attempt, which failed, was carrying which satellite?

- Ans
- ☐ A. EOS-01
  - ☐ B. EOS-02
  - ☐ C. EOS-08
  - ☒ D. EOS-09

Q.93 What is the mean of the following distribution?

Marks	14	37	60	79	97
No. of Students	11	41	56	55	32

- Ans
- ☐ A. 60
  - ☐ B. 86
  - ☒ C. 64
  - ☐ D. 88

Q.94 RIAL is related to HYQB in a certain way based on the English alphabetical order. In the same way, DUMX is related to TKCN. To which of the given options is ZQIT related, following the same logic?

- Ans
- ☐ A. PGTY
  - ☐ B. PGTR
  - ☒ C. PGYJ
  - ☐ D. PLKI

Q.95 Which of the following are compressed gases commonly used in daily life?

- (i) LPG for cooking
- (ii) Oxygen in hospitals
- (iii) CNG in vehicles
- (iv) Water in bottles

- Ans
- ☐ A. (i) and (iii) only
  - ☐ B. (ii) and (iv) only
  - ☐ C. (i), (ii), (iii) and (iv)
  - ☒ D. (i), (ii) and (iii) only



Q.96 If  $\left(\frac{7}{11}\right)^{k-5} = \left(\frac{11}{7}\right)^{k-9}$ , find the value of  $2^k$ .

- Ans
- ☒ A. 64
  - ☒ B. 128
  - ☒ C. 32
  - ☒ D. 256

Q.97 What is a major risk associated with chewing tobacco?

- Ans
- ☒ A. Joint pain
  - ☒ B. Pulmonary diseases and cancers
  - ☒ C. Skin irritation
  - ☒ D. Muscle cramps

Q.98 What is a budget deficit?

- Ans
- ☒ A. When government income exceeds its expenses
  - ☒ B. When government expenses exceed its income
  - ☒ C. When RBI prints extra currency
  - ☒ D. When the fiscal deficit is zero

Q.99 In July 2025, the Ministry of Skill Development and Entrepreneurship (MSDE) launched which AI-powered chatbot, developed jointly by META and NSDC?

- Ans
- ☒ A. MSDE-AI
  - ☒ B. Power-AI
  - ☒ C. Skill India Assistant
  - ☒ D. Power AI Assistant

Q.100 Which of the following Articles related to the Directive Principle of State Policy (DPSP) was implemented by the 73<sup>rd</sup> Amendment of 1992?

- Ans
- ☒ A. Article 44
  - ☒ B. Article 40
  - ☒ C. Article 46
  - ☒ D. Article 42