



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	ALL POST GRADUATE TEACHERS PGTs and TRAINED GRADUATE TEACHERS TGTs

\* 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 Article \_\_\_\_\_ of the Constitution directs every state to provide adequate facilities for instruction in the mother-tongue at the primary stage of education of children belonging to linguistic minority groups.

- Ans
- ☒ A. 29(1)
  - ☒ B. 350 A
  - ☒ C. 30(1)
  - ☒ D. 29(2)

Q.2 One of the main benefits of including culture and heritage mapping in the school curriculum is:

- Ans
- ☒ A. replacing history and geography subjects
  - ☒ B. reducing academic workload
  - ☒ C. limiting students' exposure to global culture
  - ☒ D. helping students understand and appreciate local heritage

Q.3 Who introduced the concept of 'cultural lag' to describe the delay in non-material culture catching up with material culture?

- Ans
- ☒ A. Emile Durkheim
  - ☒ B. Max Weber
  - ☒ C. Karl Marx
  - ☒ D. William F Ogburn

Q.4 According to the American Association on Mental Retardation (AAMR), what are the IQ levels for moderate mental retardation?

- Ans
- ☒ A. Below 22
  - ☒ B. 30-40
  - ☒ C. 40-50
  - ☒ D. 60-70

Adda247

Test Prime

ALL EXAMS, ONE SUBSCRIPTION



**1,00,000+**  
Mock Tests



Personalised  
Report Card



Unlimited  
Re-Attempt



**600+**  
Exam Covered



**25,000+** Previous  
Year Papers



**500%**  
Refund



**ATTEMPT FREE MOCK NOW**

Q.5	Whose role is multi-dimensional among the following in the context of education and pedagogy?
Ans	<div> <div></div> <div>A. Parent's</div> </div> <div> <div></div> <div>B. Learner's</div> </div> <div> <div></div> <div>C. Sibling's</div> </div> <div> <div></div> <div>D. Teacher's</div> </div>
Q.6	Which process involves analysing all evidence gathered about students to identify inadequacies in student learning and provide a basis for remedial measures?
Ans	<div> <div></div> <div>A. Co-operation</div> </div> <div> <div></div> <div>B. Criterion referenced</div> </div> <div> <div></div> <div>C. Diagnosis</div> </div> <div> <div></div> <div>D. Continuity</div> </div>
Q.7	According to pragmatism, what is the aim of education?
Ans	<div> <div></div> <div>A. Provide direction based on societal traditions</div> </div> <div> <div></div> <div>B. Impose strict discipline and fixed curricula</div> </div> <div> <div></div> <div>C. Offer dynamic guidance aligned with a child's natural interests and capacities</div> </div> <div> <div></div> <div>D. Focus solely on rote memorisation of facts</div> </div>
Q.8	Arrange the given steps chronologically for a teacher as a manager at different phases of teaching. <div>             1. Analysis of result              2. Planning the instructional system              3. Pre-teaching phase of the next instructional period              4. Decision-making to shift from one mode to another           </div>
Ans	<div> <div></div> <div>A. 2-4-1-3</div> </div> <div> <div></div> <div>B. 1-2-3-4</div> </div> <div> <div></div> <div>C. 1-3-4-2</div> </div> <div> <div></div> <div>D. 2-3-1-4</div> </div>
Q.9	What is the umbrella term that includes all the material and non-material aspects of any human society?
Ans	<div> <div></div> <div>A. Behaviour</div> </div> <div> <div></div> <div>B. Education</div> </div> <div> <div></div> <div>C. Characteristics</div> </div> <div> <div></div> <div>D. Culture</div> </div>
Q.10	Which of the following best defines evaluation?
Ans	<div> <div></div> <div>A. Interpreting collected data to judge value or worth of performance</div> </div> <div> <div></div> <div>B. Preparing the question paper</div> </div> <div> <div></div> <div>C. Recording marks obtained in a test</div> </div> <div> <div></div> <div>D. Measuring the height and weight of students</div> </div>
Q.11	Social deviance is also given more exposure by _____ because of the way deviance mainstream to popular culture.
Ans	<div> <div></div> <div>A. school</div> </div> <div> <div></div> <div>B. community</div> </div> <div> <div></div> <div>C. mass media</div> </div> <div> <div></div> <div>D. peer group</div> </div>

Q.12 Which is the oldest method in Educational Psychology?

- Ans
- ☒ A. Introspection method
  - ☐ B. Experimental method
  - ☐ C. Observation method
  - ☐ D. Case history method

Q.13 Which is NOT a factor affecting intellectual development?

- Ans
- ☐ A. Socio-economic status
  - ☐ B. Hereditary
  - ☐ C. Natural environment
  - ☒ D. Community

Q.14 Which strategy by educational institutions most effectively fosters social integration in a diverse classroom?

- Ans
- ☐ A. Following a uniform syllabus without discussion
  - ☒ B. Organising multicultural activities and collaborative projects
  - ☐ C. Conducting exams in a single national language
  - ☐ D. Emphasising regional languages only

Q.15 Which Article of the Convention on the Rights of the Child (CRC) emphasises that education should contribute to the child's full development, including respect for human rights, tolerance, and friendship among all?

- Ans
- ☐ A. Article 31
  - ☐ B. Article 23
  - ☐ C. Article 28
  - ☒ D. Article 29

Q.16 Which of the following is NOT the nature of democracy?

- Ans
- ☐ A. Economic
  - ☐ B. Political
  - ☒ C. Historical
  - ☐ D. Ethical

Q.17 Which means of instruction delivery involves students learning by doing?

- Ans
- ☐ A. Lecture
  - ☐ B. Reading
  - ☐ C. Note-taking
  - ☒ D. Project

Q.18 Keller Plan, designed according to the need and ability of the student, is also known as:

- Ans
- ☒ A. Personalised System of Instruction
  - ☐ B. Project work
  - ☐ C. Computer-assisted Instruction
  - ☐ D. Computer-managed instruction

Q.19 Who introduced the term ‘managing teaching-learning’?

- Ans
- ☐ A. Ralph Tyler
  - ☐ B. Lev Vygotsky
  - ☒ C. IK Devi
  - ☐ D. Hollis Rugg

Q.20 What does the term 'transaction' in curriculum refer to?

- Ans
- ☐ A. The evaluation of student performance
  - ☐ B. The financial cost of curriculum materials
  - ☒ C. The process of delivering the curriculum in the classroom
  - ☐ D. The planning of school events

Q.21 At this stage, children become less egocentric and begin to think about how other people feel about them.

- Ans
- ☐ A. Preoperational Stage
  - ☒ B. Concrete Operational Stage
  - ☐ C. Sensorimotor Stage
  - ☐ D. Formal Operational Stage

Q.22 Which measurement is used for categorical variables and involves assigning scores that are category labels?

- Ans
- ☒ A. Nominal level
  - ☐ B. Interval level
  - ☐ C. Ratio level
  - ☐ D. Ordinal level

Q.23 Which social group plays the most important role in the education of a child?

- Ans
- ☐ A. Peer group
  - ☐ B. School
  - ☒ C. Family
  - ☐ D. Community

Q.24 Which psychologist is associated with the concept of the 'g factor' in intelligence?

- Ans
- ☐ A. Howard Gardner
  - ☐ B. Jean Piaget
  - ☐ C. Robert Sternberg
  - ☒ D. Charles Spearman

Q.25 In learner-controlled instruction, the role of the teacher is primarily:

- Ans
- ☒ A. to act as a manager, facilitator or guide
  - ☐ B. to only assess students at the end
  - ☐ C. completely absent
  - ☐ D. to dictate every step of learning

Q.26 What is the meaning of transaction of curriculum?

- Ans
- ☒ A. Management of curriculum in action
  - ☐ B. Approaches to curriculum development
  - ☐ C. Development of curriculum
  - ☐ D. Inclusive curriculum

Q.27 Which is NOT a step in the transaction of curriculum?

- Ans
- ☐ A. Assessing
  - ☐ B. Planning
  - ☒ C. Controlling
  - ☐ D. Guiding

**Q.28** Etymologically, the term 'democracy' consists of two \_\_\_\_\_ words 'demos' meaning 'the people' and 'kratos' meaning 'power'.

- Ans**
- ☐ A. Latin
  - ☐ B. French
  - ☐ C. Spanish
  - ☒ D. Greek

**Q.29** According to Pragmatism, knowledge is:

- Ans**
- ☐ A. absolute and unchangeable
  - ☒ B. dynamic, practical, and tested by experience
  - ☐ C. derived only from books
  - ☐ D. a gift from authority

**Q.30** The learner as a subject-matter of educational psychology involves studying all of the following EXCEPT:

- Ans**
- ☒ A. structure and functioning of the nervous system of the learner
  - ☐ B. the innate abilities and capacities of the individuals
  - ☐ C. individual differences and their measurements
  - ☐ D. conscious as well as unconscious behaviour of the learner

**Q.31** Which of the following is identified as a major aspiration of Indian society?

- Ans**
- ☐ A. Regionalism
  - ☐ B. Sectarianism
  - ☐ C. Isolationism
  - ☒ D. Nationalism

**Q.32** Freedom can be limited in the interest of society, but excessive restriction:

- Ans**
- ☐ A. is essential for personal growth
  - ☐ B. helps individuals achieve their best potential
  - ☐ C. strengthens democratic values automatically
  - ☒ D. imposes rigid uniformity and represses individuality

**Q.33** Which of the following is NOT a part of the lecture method?

- Ans**
- ☒ A. Prior knowledge
  - ☐ B. Presentation
  - ☐ C. Closing up
  - ☐ D. Introduction

**Q.34** The well known educational Philosopher, \_\_\_\_\_ in 'My Pedagogical Creed' (1897) expressed his belief that the school is primarily a social institution, education being a social process.

- Ans**
- ☐ A. Socrates
  - ☐ B. Albert M Small
  - ☒ C. John Dewey
  - ☐ D. Pestalozzi

**Q.35** Which of the following best describes the nature of values?

- Ans**
- ☐ A. They are always the same across time and place.
  - ☐ B. They are fixed rules imposed by society.
  - ☒ C. They regulate and guide human behaviour and action.
  - ☐ D. They are only related to material gains.

**Q.36** The \_\_\_\_\_ supported most of the principles of education with great stress on work education or socially useful productive work.

- Ans

☒

A. Ishwarbai Patel Committee
- ☐

B. University Education Commission
- ☐

C. Tarachand Committee
- ☐

D. Yashpal Committee

**Q.37** Who defined education as “the all-round drawing out of the best in child and man’s body, mind and soul”?

- Ans

☐

A. Swami Vivekananda
- ☒

B. M K Gandhi
- ☐

C. Rabindranath Tagore
- ☐

D. Dr. S Radhakrishnan

**Q.38** Which Indian thinker emphasised 'education for character building' and founded Shantiniketan?

- Ans

☐

A. Sri Aurobindo
- ☒

B. Rabindranath Tagore
- ☐

C. Mahatma Gandhi
- ☐

D. Swami Vivekananda

**Q.39** Every human being has every right to equal opportunity to develop and improve his or her potential to the optimum. This description corresponds specifically to which of the following?

- Ans

☐

A. Justice
- ☐

B. Fraternity
- ☒

C. Equality
- ☐

D. Democracy

**Q.40** Which type of assessment analyses all evidence about students to identify inadequacies in learning and provides a basis for remedial measures?

- Ans

☐

A. Co-operation
- ☒

B. Diagnosis
- ☐

C. Criterion referenced
- ☐

D. Feedback

**Q.41** Development is best defined as:

- Ans

☐

A. A fixed process unaffected by environment
- ☐

B. The acquisition of academic knowledge
- ☒

C. The result of the interaction between maturation and learning
- ☐

D. Only physical growth over time

**Q.42** Which focus area falls within the scope of educational psychology?

- Ans

☐

A. Tracking learner attendance
- ☒

B. Studying learner motivation
- ☐

C. Recording learner grades
- ☐

D. Scheduling learner activities



Q.43 Which type of evaluation is primarily used to identify students’ strengths and weaknesses before instruction begins?

- Ans
- ☐

A. Norm-referenced evaluation
- ☒

B. Diagnostic evaluation
- ☐

C. Summative evaluation
- ☐

D. Formative evaluation

Q.44 In teacher-controlled instruction, the teacher’s role is:

- Ans
- ☐

A. to allow students full freedom without guidance
- ☒

B. pivotal in planning and implementing instruction
- ☐

C. only to evaluate students
- ☐

D. minimal and passive

Q.45 Etymologically, the term "Democracy" consists of two \_\_\_\_\_ words – "Demos" meaning 'the people,' and "Kratos" meaning 'power'.

- Ans
- ☐

A. Sanskrit
- ☐

B. Latin
- ☒

C. Greek
- ☐

D. French

Q.46 Which is called as the highest scale in measurement?

- Ans
- ☐

A. Interval scale
- ☒

B. Ratio scale
- ☐

C. Nominal scale
- ☐

D. Ordinal scale

Q.47 At which month does a child reach for toys out of reach and responds to 'No'?

- Ans
- ☐

A. 6
- ☐

B. 10
- ☐

C. 8
- ☒

D. 9

Q.48 Which is NOT a characteristic of a slow learner?

- Ans
- ☒

A. Learns quickly without much repetition
- ☐

B. Needs frequent guidance and support
- ☐

C. Shows limited attention span
- ☐

D. Requires more time to grasp concepts

Q.49 The linear style of programming developed by \_\_\_\_\_.

- Ans
- ☐

A. Crowder
- ☒

B. BF Skinner
- ☐

C. Thorndike
- ☐

D. Pressey

Q.50 The term ‘ethnic’ is derived from the \_\_\_\_\_ word ‘ethno,’ meaning ‘nation’.

- Ans
- ☒

A. Greek
- ☐

B. Italian
- ☐

C. Latin
- ☐

D. French



Q.51 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. 9

☐

C. 2

☐

D. 6

Q.52 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. Harleen Kaur

☐

B. Koushik Goswami

☒

C. Advait Kottary

☐

D. Anurag Bhaskar

Q.53 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. A is true, but R is false.

☐

B. A is false, but R is true.

☐

C. Both A and R are true, but R is not the correct explanation of A.

☒

D. Both A and R are true, and R is the correct explanation of A.

Q.54 What happens when the vibration of a sound source becomes faster?

- Ans

☐

A. The frequency and pitch both decrease.

☒

B. The frequency and pitch both increase.

☐

C. The pitch stays the same regardless of the vibration speed.

☐

D. The frequency increases, but pitch decreases.

Q.55  $\tan \frac{20\pi}{21} - \tan \frac{2\pi}{7} + \sqrt{3} \tan \frac{2\pi}{7} \tan \frac{20\pi}{21} = ?$

- Ans

☐

A.  $-\frac{1}{\sqrt{3}}$

☐

B.  $\sqrt{3}$

☐

C.  $\frac{1}{\sqrt{3}}$

☒

D.  $-\sqrt{3}$

Q.56 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 42

☐

D. Article 46

Q.57 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. E
  - ☐ B. T
  - ☒ C. F
  - ☐ D. S

Q.58 Which of the following leaders is associated with the Extremist phase?

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

Q.59 In July 2025, the Ministry of Skill Development and Entrepreneurship (MSDE) launched which AI-powered chatbot, developed jointly by META and NSDC?

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

Q.60 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. 18%
  - ☐ B. 15%
  - ☐ C. 16%
  - ☒ D. 17%

Q.61 Which of the following was the immediate cause for the rise of the Extremist movement in India?

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

Q.62 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. 86<sup>th</sup> Amendment 2002
  - ☒ C. 73<sup>rd</sup> Amendment 1992
  - ☐ D. 91<sup>st</sup> Amendment 2003

Q.63 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. NAME
  - ☐ B. EMAN
  - ☒ C. EBNN
  - ☐ D. NBNE

Q.64	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	<div><div><div><div></div></div><div>A. ZGFX</div></div><div><div><div></div></div><div>B. AFGY</div></div><div><div><div></div></div><div>C. BDHY</div></div><div><div><div></div></div><div>D. BEHZ</div></div></div>
Q.65	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	<div><div><div><div></div></div><div>A. Only BEN</div></div><div><div><div></div></div><div>B. Both MUG and ONE</div></div><div><div><div></div></div><div>C. Only ONE</div></div><div><div><div></div></div><div>D. Both ONE and TWO</div></div></div>
Q.66	In May 2025, ISRO's 101 <sup>st</sup> launch attempt, which failed, was carrying which satellite?
Ans	<div><div><div><div></div></div><div>A. EOS-02</div></div><div><div><div></div></div><div>B. EOS-09</div></div><div><div><div></div></div><div>C. EOS-08</div></div><div><div><div></div></div><div>D. EOS-01</div></div></div>
Q.67	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	<div><div><div><div></div></div><div>A. 20 Ω</div></div><div><div><div></div></div><div>B. 0.05 Ω</div></div><div><div><div></div></div><div>C. 100 Ω</div></div><div><div><div></div></div><div>D. 200 Ω</div></div></div>
Q.68	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	<div><div><div><div></div></div><div>A. Bioaccumulation</div></div><div><div><div></div></div><div>B. Eutrophication</div></div><div><div><div></div></div><div>C. Biomagnification</div></div><div><div><div></div></div><div>D. Ecological succession</div></div></div>
Q.69	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	<div><div><div><div></div></div><div>A. PGTR</div></div><div><div><div></div></div><div>B. PGYJ</div></div><div><div><div></div></div><div>C. PGTY</div></div><div><div><div></div></div><div>D. PLKI</div></div></div>

**Q.70** 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. None  
☒ B. One  
☒ C. Three  
☒ D. Two

**Q.71** If  $\left(\frac{7}{11}\right)^{k-5} = \left(\frac{11}{7}\right)^{k-9}$ , find the value of  $2^k$ .

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

**Q.72** What is a budget deficit?

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

**Q.73** 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. HGT  
☒ C. HVG  
☒ D. HCV

**Q.74** What amount was allocated for the COVID-19 vaccine in the 2021-22 Budget?

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

**Q.75** 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. 30  
☒ C. 26  
☒ D. 23

**Q.76** 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. ₹4,500  
☒ B. ₹5,500  
☒ C. ₹4,000  
☒ D. ₹5,000

Q.77	Who became the first Indian wicketkeeper to score centuries in both innings of a Test match?
Ans	<div><div><div><div><div></div></div></div><div>A. Wriddhiman Saha</div></div><div><div><div><div></div></div></div><div>B. Mahendra Singh Dhoni</div></div><div><div><div><div></div></div></div><div>C. Dinesh Karthik</div></div><div><div><div><div></div></div></div><div>D. Rishabh Pant</div></div></div>

Q.84 Italia Gopal, who won the Visavadar (Gujarat) Assembly Constituency in the June 2025 bye-election, represents which political party?

- Ans

☐

A. Bharatiya Janata Party

☒

B. Aam Aadmi Party

☐

C. Indian National Congress

☐

D. Bahujan Samaj Party

Q.85 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. 21

☐

B. 28

☒

C. 7

☐

D. 14

Q.86 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) and (iii) only

☐

C. (ii) and (iv) only

☐

D. (i), (ii), (iii) and (iv)

Q.87 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.88 Select the set in which the numbers are related in the same way as are the numbers of the following sets.  
 (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.)

(198, 170, 142)  
 (214, 186, 158)

- Ans

☐

A. (168, 140, 102)

☐

B. (116, 98, 86)

☐

C. (235, 207, 169)

☒

D. (142, 114, 86)

Q.89 Majuli Island is located in which Indian state?

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

Q.90 Which among the following states in India has the longest coastal boundary?

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

Q.91 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. (ii) and (iv) only
  - ☐ B. (i), (ii), (iii) and (iv)
  - ☒ C. (i), (ii) and (iii) only
  - ☐ D. (i) and (iii) only

Q.92 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. 5 J
  - ☐ B. 500 J
  - ☐ C. 25 J
  - ☒ D. 50 J

Q.93 Why is Cuscuta called a parasitic plant?

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

Q.94 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. Q
  - ☐ B. D
  - ☐ C. B
  - ☐ D. A

Q.95 Which of the following Articles of the Indian Constitution in Part VIII of the Constitution deals with the union territories?

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



**Q.96** 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. 5

B. 4

C. 6

D. 8

**Q.97** 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. GFI

B. USW

C. LJN

D. AYC

Railway News Room Telegram

**Q.98** 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 normal is always at a 90° angle to the refracted ray.

B. The incident ray, the refracted ray, and the normal all lie in the same plane at the point of incidence.

C. Only the incident and refracted rays lie in the same plane, excluding the normal.

D. They all travel in different directions randomly.

**Q.99** A cyclist travels at 18 km/hr for 2.5 hours. What distance does he cover?

- Ans**

A. 43 km

B. 48 km

C. 40 km

D. 45 km

**Q.100** What is the mean of the following distribution?

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

- Ans**

A. 86

B. 88

C. 64

D. 60