



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS
०५/२०२४ - एनटीपीसी स्नातक स्तर - CEN - 05/2024 - NTPC Graduate Level



Test Date	16/06/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Graduate Level I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

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

Section : RRB NTPC Graduate Level I

Q.1 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 letter-cluster pair 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. IE – NG
 2. QM – VO
 3. GC – LF
 4. DZ – IB

Q.2 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?

$$(46 \text{ B } 8) \text{ A } 16 \text{ C } 15 \text{ B } 3 \text{ D } 27 = ?$$

- Ans 1. 41
 2. 68
 3. 29
 4. 52

Q.3 A vendor sells oranges at ₹44 each and incurs a loss of 78%. If he wants to make a profit of 78%, at what price (in ₹) should he sell each orange?

- Ans 1. 356
 2. 358
 3. 355
 4. 354

Q.4 Which bank has officially partnered with Sunrisers Hyderabad (SRH) as its exclusive banking partner in March 2025?

- Ans 1. Axis Bank
 2. HDFC Bank
 3. City Union Bank
 4. ICICI Bank

Q.5 At what rate of interest per annum will a sum of ₹15,625 amount to ₹19,683 in 1 year and 6 months, if the interest is compounded half-yearly?

- Ans 1. 8%
 2. 20%
 3. 16%
 4. 19%

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Q.6 In a certain code language, 'FISH' is coded as '6147' and 'SALE' is coded as '9512'. What is the code for 'S' in the given code language?

- Ans 1. 5
 2. 4
 3. 9
 4. 1

Q.7 A local train without stoppages runs at an average speed of 70 km/hr, and with stoppages, at an average speed of 30 km/hr. What is the total time (in hours) taken by the local train for stoppages on a route of length 630 km?

- Ans 1. 19
 2. 12
 3. 10
 4. 8

Q.8 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single digit numbers only.)

(Left) 7 @ £ 1 @ 7 # * 8 7 8 6 5 3 8 4 € # £ 9 1 £ (Right)

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

- Ans 1. 1
 2. 3
 3. 2
 4. 0

Q.9 Which of the following ratios is greatest?

- Ans 1. 17 : 42
 2. 20 : 36
 3. 21 : 45
 4. 25 : 50

Q.10 The mean proportional between $(21 + 16\sqrt{2})$ and $(16 - 7\sqrt{2})$ is:

- Ans 1. $17\sqrt{7}$
 2. $\sqrt{112 + 109\sqrt{2}}$
 3. $\sqrt{109 + 112\sqrt{2}}$
 4. $4\sqrt{7}$

Q.11 If the median of a data is 45.98 less than its mode, then the median of the data exceeds its mean by _____. (Use empirical formula)

- Ans 1. 25.13
 2. 22.99
 3. 21.05
 4. 26.54

Q.12 Which of the following states recorded the highest Schedule Tribes (ST) sex ratio in 2011, as per the Census of India data?

- Ans 1. Tamil Nadu
 2. Goa
 3. Mizoram
 4. Arunachal Pradesh

Q.13 An electric pump can fill a tank in 3 hours. Due to a leakage in the tank, it takes $5\frac{1}{4}$ hours to fill the tank.

How much time will this leak take to empty the full tank if water does not get in or out of the tank through any other point during this period?

- Ans 1. 24 hours
 2. 7 hours
 3. 17 hours
 4. 10 hours

Q.14 Which of the following is NOT located in the Andaman group?

- Ans 1. Havelock
 2. Barren
 3. Neil
 4. Minicoy

Q.15 In which of the following countries did the United Nations Biodiversity Convention 2024 (COP16) conclude in February 2025?

- Ans 1. Germany
 2. France
 3. Italy
 4. Colombia

Q.16 Which shortcut key combination is used to insert a hyperlink in MS PowerPoint 365?

- Ans 1. Alt + X
 2. Ctrl + Shift + X
 3. Ctrl + N
 4. Ctrl + K

Q.17 Anuj starts from Point A and drives 12 km towards East. He then takes a right turn, drives 8 km, turns right and drives 14 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 2 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° turns only, unless specified.)

- Ans 1. 2 km to the south
 2. 4 km to the south
 3. 1 km to the south
 4. 3 km to the south

Q.18 F is the husband of G. G is the mother of H. H is the husband of I. I is the mother of J. How is F related to J?

- Ans 1. Father's brother
 2. Father's father
 3. Mother's brother
 4. Mother's father

Q.19 In MS Word, if you want to duplicate a selected text without removing it from its original location, which set of commands should you use?

- Ans 1. Delete → Undo
 2. Select → Move
 3. Copy → Paste
 4. Cut → Paste

Q.20 What is the dimensional formula of pressure?

- Ans 1. $[M L T^{-2}]$
 2. $[M L^{-2} T^{-2}]$
 3. $[M L^2 T^{-2}]$
 4. $[M L^{-1} T^{-2}]$

Q.21 'Pradeshtiris' word is used for which officers during the Mauryan Empire?

- Ans 1. Chief minister
 2. Commander of army
 3. Officers responsible for suppression of criminals
 4. Judges

Q.22 I, J, K, L, M and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. Only L lives above Y. I lives on some floor below J. Only M lives below K. How many people live between J and M?

- Ans 1. Four
 2. One
 3. Three
 4. Two

Q.23 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 cows are emu.
All emus are ostrich.
Some ostriches are duck.

Conclusions:

(I) Some ducks are cows.
(II) All ostriches are cows.

- Ans 1. Only conclusion (I) follows
 2. Only conclusion (II) follows
 3. Both conclusions (I) and (II) follow
 4. Neither conclusion (I) nor conclusion (II) follows

Q.24 In Windows-based systems, which Alt key combination is most likely to display the contextual control menu of the active window, especially when the title bar is inaccessible?

- Ans 1. Alt + F4
 2. Alt + Del
 3. Alt + Space
 4. Alt + F10

Q.25 Seven friends, A, B, C, D, P, Q and R, are sitting in a straight line facing north. Only two people sit to the left of R. Only three people sit between R and P. Only one person sits between P and A. D sits to the immediate left of Q. B is not an immediate neighbour of P. How many people sit to the right of C?

- Ans 1. One
 2. Two
 3. Four
 4. Three

Q.26 In MS Word 365, which feature allows users to set specific spacing before and after paragraphs to control the vertical space between paragraphs and improve document readability?

- Ans 1. Indentation
 2. Page Layout
 3. Line Spacing
 4. Paragraph Spacing

Q.27 The speed of a boat in still water is 9 km/hr and the speed of the stream is 5 km/hr. A man rows to a place at a distance of 75.6 km and comes back to the starting point. Find the total time (in hours) taken by him.

- Ans 1. 24.3
 2. 26.6
 3. 19.3
 4. 20.8

Q.28 Vinod starts from point A and drives 8 km towards the west. He then takes a left turn, drives 6 km, turns left and drives 12 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 4 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-degree turns only unless specified.)

- Ans 1. 5 km to the south
 2. 6 km to the south
 3. 5 km to the north
 4. 6 km to the north

Q.29 Seven people, I, J, K, L, O, P and Q are sitting in a row, facing north. Only two people sit to the right of I. Only two people sit between I and O. Only two people sit between J and P. P sits to the immediate left of I. Q sits to the immediate right of L. Who sits at third position from the left end of the line?

- Ans 1. I
 2. O
 3. Q
 4. K

Q.30 Find the value of $\frac{\sqrt{0.011025}}{\sqrt{0.001225}}$

- Ans 1. 13
 2. 17
 3. 3
 4. 18

Q.31 From a point P on a level ground, the angle of elevation of the top tower is 30° . If the tower is 50 m high, the distance of point P from the foot of the tower is:

- Ans 1. $50\sqrt{3}$ m
 2. $\frac{50}{\sqrt{3}}$ m
 3. 25 m
 4. $\frac{50}{\sqrt{2}}$ m

Q.32 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 letter-cluster pair 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. WC – BY
 - 2. LR – QM
 - 3. HN – MI
 - 4. BH – GC

Q.33 The value of 596×604 is:

- Ans
- 1. 364199
 - 2. 366958
 - 3. 356822
 - 4. 359984

Q.34 Bholanath Singh was the leader of which of the following revolts?

- Ans
- 1. Farazi Movement
 - 2. Wahabi Movement
 - 3. Tamar Revolt
 - 4. Santhal Revolt

Q.35 OJ 9 is related to QM -8 in a certain way. In the same way, JK 14 is related to LN -3. To which of the given options is VP 1 related, following the same logic?

- Ans
- 1. XT -16
 - 2. YS -14
 - 3. XS -16
 - 4. YT -16

Q.36 Income of Amit in 2019 was ₹22,000. He gets an increment of 20% every year. What was his income (in ₹) in 2021?

- Ans
- 1. 26,400
 - 2. 30,800
 - 3. 31,680
 - 4. 22,000

Q.37 What major tax reform was introduced by the 101st Amendment Act, 2016?

- Ans
- 1. Goods and Services Tax (GST)
 - 2. Income Tax
 - 3. Wealth Tax
 - 4. Excise Duty

Q.38 What should come in place of the question mark (?) in the given series?

13 8 24 19 57 52 156 ?

- Ans
- 1. 155
 - 2. 151
 - 3. 140
 - 4. 169

Q.39 How many rural households were graded based on deprivation criteria, as per Socio Economic and Caste Census (SECC) that was concluded by the Ministry of Rural Development in March, 2016?

- Ans 1. 6.72 crore
 2. 7.72 crore
 3. 8.72 crore
 4. 9.72 crore

Q.40 When appointing Governors of States and Lieutenant Governors of Union Territories, the President of India acts on the advice of which body?

- Ans 1. The Supreme Court of India
 2. The Union Council of ministers
 3. The State Legislatures
 4. The Election Commission

Q.41 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single digit numbers only.)

(Left) 5 \$ 6 @ 3 * 6 4 & \$ 2 9 5 9 € £ 7 8 # 1 & 2 (Right)

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

- Ans 1. 4
 2. 2
 3. 3
 4. 5

Q.42 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: OLR :: LIO : %

- Ans 1. # = PKI, % = IMJ
 2. # = ROU, % = IFL
 3. # = RPO, % = MKP
 4. # = YTU, % = LKJ

Q.43 Who was honoured with the title 'Assam Kesari' for his courageous role in the Indian freedom movement?

- Ans 1. Ambikagiri Raichoudhury
 2. Chandraprabha Saikiani
 3. Tarun Ram Phukan
 4. Gopinath Bordoloi

Q.44 The ratio of the lengths of two corresponding sides of two similar triangles is 10 : 9. The ratio of the areas of these two triangles, in the order mentioned, is:

- Ans 1. $10\sqrt{10} : 9$
 2. 101 : 82
 3. 10 : 9
 4. 100 : 81

Q.45 What should come in place of the question mark (?) in the given series?

842 840 836 830 822 ?

- Ans 1. 812
 2. 814
 3. 808
 4. 810

Q.46 Who among the following is NOT eligible for the subsidy under the PMAY-U 2.0 scheme launched in 2024?

- Ans 1. Individuals with annual income up to ₹6 lakh
 2. Middle Income Groups (MIG) having an annual income of up to ₹9 lakh per year
 3. Families given housing by any government scheme in the past 20 years
 4. Individuals from Economically Weaker Sections (EWSs)

Q.47 On simple interest, a certain sum of money amounts to ₹1,750 in 2 years and to ₹3,250 in 4 years. Find the rate of interest per annum.

- Ans 1. 302%
 2. 299%
 3. 300%
 4. 301%

Q.48 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$76 \div 9 + 818 \times 2 - 93 = ?$$

- Ans 1. 398
 2. 378
 3. 388
 4. 368

Q.49 QQ 3 is related to NU -1 in a certain way. In the same way, OK 11 is related to LO 7. To which of the given options is PL -2 related, following the same logic?

- Ans 1. NP -4
 2. NQ -6
 3. MQ -4
 4. MP -6

Q.50 In MS Word 2019, which of the following features can you use to change the page orientation of your document?

- Ans 1. Page Layout → Orientation
 2. Review → Spelling & Grammar
 3. Insert → Page Number
 4. View → Print Layout

Q.51 Two taps can fill a cistern in 3 hours and 18 hours, respectively. A third tap can empty it in 72 hours. How long (in hours) will it take to fill three-fourth of the empty cistern, if all of them are opened together?

- Ans 1. 4
 2. 8
 3. 6
 4. 2

Q.52 In which type of musical instruments, sound is produced by blowing air into a hollow column?

Ans 1. Sushira Vadya

2. Tata Vadya

3. Avanaddha Vadya

4. Ghana Vadya

Q.53 Each of the digits in the number 691478325 is arranged in ascending order from left to right. What will be the sum of the digits that are third from the left and second from the right in the new number thus formed?

Ans 1. 10

2. 9

3. 12

4. 11

Q.54 If α , β and γ are the roots of the equation $6x^3 - 11x^2 + 6x - 1 = 0$, find $\sum \alpha^2 \beta \gamma$.

Ans 1. $\frac{11}{6}$

2. $\frac{11}{36}$

3. $-\frac{11}{36}$

4. $-\frac{11}{6}$

Q.55 Anti-dumping and anti-subsidies & countervailing measures in India are administered by which Ministry?

Ans 1. Ministry of Home Affairs

2. Ministry of Finance

3. Ministry of External Affairs

4. Ministry of Commerce and Industry

Q.56 Let ABC and DEF be two triangles such that $\angle A = \angle D = 40^\circ$ and $AB = DE$. What is the condition required to be met such that ABC and DEF are similar triangles?

Ans 1. $\angle B = \angle F$

2. $BC = EF$

3. $\angle C = \angle F$

4. $\angle B = \angle D$

Q.57 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 8631247, what will be the sum of the digits that are third from the left and first from the right?

Ans 1. 8

2. 9

3. 11

4. 12

Q.58 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

XDO BBQ FZS JXU ?

Ans 1. LWX

2. MUX

3. NVW

4. OWV

Q.59 Which Indian state/Union territory had the highest urbanised population, as per the Census 2011?

Ans 1. Goa

2. Maharashtra

3. Tamil Nadu

4. Delhi

Q.60 7 times the present age of X is 6 years less than 2 times the present age of Y. At present, P is 7 times as old as X, and Y is 6 years younger than Q. If P is 70 years older than Q, then the present age (in years) of Y is:

Ans 1. 73

2. 75

3. 82

4. 78

Q.61 What is the advantage of keeping food in an airtight container?

Ans 1. It slows down oxidation.

2. It enhances the taste of the food.

3. It promotes anaerobic bacterial growth.

4. It changes the colour of the food.

Q.62 The award (decision) made by the Lok Adalats is deemed to be a decree of a civil court and is final and binding on all parties because:

Ans 1. An appeal can be filed in the High Court

2. A review petition can be filed

3. No appeal is permissible

4. An appeal can be filed in the Supreme Court

Q.63 Which of the following countries experienced widespread protests in May 2025 due to the government's decision to dissolve all political parties and extend the presidential term?

Ans 1. Niger

2. Sudan

3. Mali

4. Chad

Q.64 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
TMP RKN PIL NGJ ?

Ans 1. LEG

2. LFH

3. LFG

4. LEH

Q.65 The median of the observations 34, 58, 98, 42, 83, 62, 12, 11, 87, 75 and 15 is:

Ans 1. 75

2. 58

3. 42

4. 62

Q.66 The average of eight numbers is 14. The average of five of these numbers is 14. The average of the remaining three numbers is:

- Ans 1. 13
 2. 16
 3. 14
 4. 15

Q.67 Find a single discount (rounded up to two decimal places) equal to three consecutive discounts of 3%, 27% and 23%.

- Ans 1. 43.03%
 2. 45.34%
 3. 45.73%
 4. 45.48%

Q.68 In a certain code language, 'MUST' is coded as '4268' and 'SALE' is coded as '3527'. What is the code for 'S' in the given code language?

- Ans 1. 7
 2. 2
 3. 3
 4. 6

Q.69 Which of the following numbers is divisible by 87?

- Ans 1. 7221
 2. 7099
 3. 6712
 4. 7741

Q.70 Which of the following statements about the December 2024 appointments to the National Human Rights Commission (NHRC) is INCORRECT?

- Ans 1. Justice (Dr.) Bidyut Ranjan Sarangi joined NHRC as a Member.
 2. Justice V Ramasubramanian was appointed as the Chairperson of NHRC.
 3. The appointments were made by the President of India in December 2024.
 4. Shri Priyank Kanoongo was appointed as the Secretary General of NHRC.

Q.71 Manish ranked 18th from the top and 49th from the bottom in his class. How many students are there in his class?

- Ans 1. 65
 2. 67
 3. 66
 4. 64

Q.72 Which Fundamental Right was introduced by the 86th Constitutional Amendment Act of 2002 specifically for children?

- Ans 1. Right to free electricity
 2. Right to vote
 3. Right to travel abroad
 4. Right of children to free and compulsory education

Q.73 Where can people of Indian origin living abroad apply for Indian citizenship under Article 8?

- Ans
- 1. Indian Embassy at their country of living
 - 2. State government office
 - 3. Indian Embassy in Delhi only
 - 4. Supreme Court

Q.74 Who among the following has become the 11th Chairman of Securities and Exchange Board of India in February 2025?

- Ans
- 1. Ajay Seth
 - 2. Dr. Mayank Sharma
 - 3. Manan Kumar Mishra
 - 4. Tuhin Kanta Pandey

Q.75 Three numbers are in the ratio 2 : 14 : 3, and their LCM is 4116. Their HCF is:

- Ans
- 1. 98
 - 2. 100
 - 3. 108
 - 4. 95

Q.76 According to the Press Information Bureau, by what percentage did India's Defence Public Sector Undertakings (DPSUs) exports grow in the fiscal year 2024-25 compared to the previous year?

- Ans
- 1. 50.2%
 - 2. 42.85%
 - 3. 25.5%
 - 4. 35.7%

Q.77 In which year did the English East India Company pass a new law that required every new person who took up employment in the Company's army to serve overseas if required?

- Ans
- 1. 1840
 - 2. 1860
 - 3. 1850
 - 4. 1856

Q.78 In January 2025, who became the first Indian to be nominated for Best Director (Motion Picture) at the Golden Globe Awards?

- Ans
- 1. Meghna Gulzar
 - 2. Zoya Akhtar
 - 3. Payal Kapadia
 - 4. Mira Nair

Q.79 Kanchan's salary is ₹12,000 per month. He spends ₹4,000 on house rent and ₹2,000 on bills, and the rest of the amount is his monthly savings. Find his savings (in ₹) in a year, if in the month of his birthday, he spent all his monthly savings on birthday celebrations.

- Ans
- 1. 66,000
 - 2. 60,000
 - 3. 72,000
 - 4. 54,000

Q.80 P, Q, R, S, T, U and V have an exam on different days of the week starting on Monday and ending on Sunday. Q has an exam on Friday. Exactly 3 people have an exam between R and T, neither of whom has an exam on Sunday. P has an exam immediately after U. V has an exam immediately before T. Who among the following has an exam on Wednesday?

- Ans 1. S
 2. R
 3. V
 4. U

Q.81 The curved surface area of a cylinder is half of its total surface area. If its height is 195 cm, then find its diameter (in cm).

- Ans 1. 393
 2. 390
 3. 383
 4. 381

Q.82 QP 15 is related to TR 6 in a certain way. In the same way, KN 8 is related to NP -1. To which of the given options is LO 3 related, following the same logic?

- Ans 1. OP -9
 2. BH -4
 3. YR -7
 4. OQ -6

Q.83 A factory produces 15, 20, 25, 10, and 30 units of a gadget over five days. What is the average production (in units) per day?

- Ans 1. 1.18
 2. 2.20
 3. 2.4
 4. 2.22

Q.84 Which Delhi Sultanate ruler was associated with the expedition of Bhilsa (Vidisha) in AD 1292?

- Ans 1. Iltutmish
 2. Alauddin Khilji
 3. Ghazi Malik
 4. Ulugh Khan

Q.85 Who among the following was awarded the Grand Collar of the Timor-Leste in August 2024?

- Ans 1. Narendra Modi
 2. Droupadi Murmu
 3. Om Birla
 4. Dr. S Jaishankar

Q.86 Who inaugurated 'Srjanam', a biomedical waste conversion system, at AIIMS Delhi in 2025?

- Ans 1. NITI Aayog Member
 2. Director of AIIMS Delhi
 3. Union Minister for Science and Technology
 4. Director of CSIR-NIIST

Q.87 Nilgiri Biosphere Reserve spans which of the following groups of Indian states?

- Ans 1. Maharashtra, Goa, Karnataka
 2. Kerala, Telangana, Tamil Nadu
 3. Andhra Pradesh, Tamil Nadu, Kerala
 4. Tamil Nadu, Kerala, Karnataka

Q.88 The Ministry of MSMEs in India celebrates the MSME Day on _____.

- Ans 1. 7 June
 2. 14 April
 3. 27 June
 4. 30 January

Q.89 Which aspect of life is explored under the theme of akam in Sangam literary works?

- Ans 1. Deed
 2. Politics
 3. War
 4. Love

Q.90 The length of a rectangular plot is $(x^2 + xy + y^2)$ m and its breadth is $(x^2 - 5xy - y^2)$ m.

Find its perimeter, when $x = 1$ and $y = -1$.

- Ans 1. 19 m
 2. 17 m
 3. 8 m
 4. 12 m

Q.91 According to a Morgan Stanley Report, how much is India's infrastructure investment expected to increase as a percentage of GDP by FY29?

- Ans 1. 5.3%
 2. 7.0%
 3. 6.5%
 4. 4.5%

**Q.92 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.**

(NOTE: All numbers are single digit numbers only.)

(Left) 3 # 6 5 2 @ 8 * 7 9 1 % 2 8 1 9 3 # 1 £ © 7 (Right)

How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans 1. 5
 2. 3
 3. 4
 4. 2

Q.93 The endangered bird species found in the Thar Desert is:

- Ans 1. Pelican
 2. Hornbill
 3. Flamingo
 4. Great Indian Bustard

Q.94 In a certain code language, 'MEAN' is coded as '6248' and 'AIDS' is coded as '5721'. What is the code for 'A' in the given code language?

- Ans 1. 5
 2. 7
 3. 4
 4. 2

Q.95 The ratio between the perimeter and breadth of a rectangle is 3 : 1. If the area of the rectangle is 98 cm², find the perimeter (in cm) of the rectangle.

- Ans 1. 38
 2. 50
 3. 42
 4. 47

Q.96 In February 2025, which international organisation signed a strategic partnership with the African Union to boost vaccine manufacturing on the continent?

- Ans 1. World Health Organization
 2. International Monetary Fund
 3. GAVI – The Vaccine Alliance
 4. World Bank

Q.97 12 is related to 4 following a certain logic. Following the same logic, 24 is related to 8. To which of the following is 60 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 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. 30
 2. 15
 3. 25
 4. 20

Q.98 The mention of DNA as a long polymer of deoxyribonucleotides implies which structural characteristic?

- Ans 1. It is composed of a sugar-phosphate backbone and nitrogenous bases.
 2. Each nucleotide is linked by hydrogen bonds in a parallel fashion.
 3. The sequence is circular and self-replicating.
 4. The molecule consists of multiple independent short chains.

Q.99 M is inversely proportional to N. If M is 18, then N is 21. If N = 27, then what is the value of M?

- Ans 1. 14
 2. 12
 3. 13
 4. 16

Q.100 Akash sold an article at a loss of 21%. If he had bought the item at 8% less and had sold it for ₹198 more, then he would have gained 5%. Find the cost price (in ₹) of the article.

- Ans 1. 1,419
 2. 686
 3. 1,125
 4. 685