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

Test Date	11/06/2025
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.

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 : **RRB NTPC Graduate Level I**

Q.1 **What will come in the place of the question mark (?) in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?**

43 ÷ 13 − 648 × 8 + 52 = ?

Ans
✔ 1. 588
✘ 2. 581
✘ 3. 586
✘ 4. 583

Q.2 **The Palk Strait is an inlet of which of the following?**

Ans
✔ 1. Bay of Bengal
✘ 2. Gulf of Khambhat
✘ 3. Arabian Sea
✘ 4. Persian Gulf

Q.3 **Which country assumed the presidency of BRICS in January 2025?**

Ans
✘ 1. Russia
✘ 2. India
✔ 3. Brazil
✘ 4. China

Q.4 **Find the volume (in cm^3, rounded off to two decimal places) of a hemispherical cap having a radius of 33.6 cm.**

Ans
✘ 1. 25,297.58π
✘ 2. 25,293.28π
✔ 3. 25,288.70π
✘ 4. 25,287.05π

Q.5 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 8574162, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?**

Ans
✘ 1. 8
✘ 2. 11
✔ 3. 10
✘ 4. 9

Q.6 What does setting a Page Break in MS Excel 365 allow you to control?

Ans

✗ 1. Where headers appear on each page

✗ 2. The maximum size of printable margins

✓ 3. Where the worksheet splits across printed pages

✗ 4. Whether formulas are recalculated before printing

Q.7 A group of numbers and symbols is coded using letter codes as per the codes given below and the conditions that follow. Study the given codes and conditions and answer the question that follows.

Note: If none of the conditions apply, then codes for the respective number/symbol are to be followed directly as given in the table.

Letter	Z	T	E	P	A	U	X
Code	8	$	@	9	2	%	6

Conditions:

1. If the 1st letter is a vowel and the last letter is a consonant, their codes are to be interchanged.

2. If the 2nd letter is a vowel and the last letter is a consonant, both are to be coded as 'W'.

3. If the 3rd and 4th letters are consonants, both are to be coded as the code for the 3rd letter.

4. If the 1st and 2nd letters are vowels, then both are to be coded as 'Q'.

What will be the code for the following group?
AUTEA

Ans

✓ 1. Q Q $ @ 2

✗ 2. 2 % $ @ 2

✗ 3. 2 W $ @ 2

✗ 4. 2 Q $ @ 2

Q.8 In a certain code language, 'GSTA' is coded as '51' and 'XMBJ' is coded as '53'. What is the code for 'YDOM' in the given language?

Ans

✗ 1. 58

✗ 2. 55

✗ 3. 60

✓ 4. 61

Q.9 If 'W' stands for '÷', 'X' stands for '×', 'Y' stands for '+' and 'Z' stands for '−', then the resultant of which of the following would be 94?

Ans

✗ 1. 48 Y 8 X 56 W 24 Z 6

✗ 2. 48 Z 8 W 56 X 24 Y 6

✓ 3. 48 W 8 Z 56 Y 24 X 6

✗ 4. 48 X 8 Y 56 Z 24 W 6

Q.10 If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 8629475, what will be the sum of the highest and lowest digits in the new number thus formed?

Ans

✗ 1. 6

✗ 2. 16

✓ 3. 12

✗ 4. 14

Q.11 PH 14 is related to SD 30 in a certain way. In the same way, JI 18 is related to ME 34. To which of the given options is MU 6 related, following the same logic?

Ans

✗ 1. NH 33

✓ 2. PQ 22

✗ 3. HL 31

✗ 4. IV 20

Q.12 A man spends 12% of his monthly salary on house rent. If every month, he also spends ₹407 on conveyance and ₹8,657 on grocery and saves the remaining ₹924, his monthly salary is:

Ans

✓ 1. ₹11,350

✗ 2. ₹11,413

✗ 3. ₹11,449

✗ 4. ₹11,377

Q.13 Town C is to the west of Town D. Town E is to the east of Town C. Town F is to the north of Town D. Town G is to the north of Town E. Town G is to the north-west of Town D. What is the position of Town E with respect to Town D?

Ans

✗ 1. North

✗ 2. East

✓ 3. West

✗ 4. South

Q.14 In March 2025, India successfully tested a high-energy laser-directed weapon system, becoming the fourth nation globally to achieve this feat. Which countries had previously developed such systems?

Ans

✗ 1. Russia, Israel and Germany

✗ 2. The US, The UK and France

✗ 3. China, Japan and South Korea

✓ 4. The US, Russia and China

Q.15 Which navigation satellite did India launch in January 2025 to enhance its NavIC system?

Ans

✓ 1. NVS-02

✗ 2. IRNSS-1G

✗ 3. NVS-01

✗ 4. GSAT-10

Q.16 The simplified value of $\frac{(31^{10} \times 2^{15} \times 84^{6})}{(31^{9} \times 2^{14} \times 84^{5})}$ is:

Ans

✗ 1. 5213

✓ 2. 5208

✗ 3. 5209

✗ 4. 5217

Q.17 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. GZ-LS

✗ 2. MF-RY

✓ 3. YR-EK

✗ 4. AT-FM

Q.18 Samantha Bansil's novel, set in precolonial Philippines, is titled:

Ans

✔ 1. Black Salt Queen

✘ 2. The Bamboo Sword

✘ 3. The Pearl Diver

✘ 4. Island of the Lost

Q.19 The salaries of X, Y, and Z are in the ratio 10 : 20 : 20. If the increments of 82%, 50%, and 19% are allowed respectively in their salaries, what will be the new ratio of their salaries?

Ans

✘ 1. 88 : 151 : 123

✔ 2. 91 : 150 : 119

✘ 3. 90 : 153 : 126

✘ 4. 92 : 154 : 120

Q.20 In the 2024 Global Innovation Index, which organisation ranked India 39th among 133 global economies, highlighting its leadership in the Central and Southern Asian region?

Ans

✘ 1. World Bank

✘ 2. World Economic Forum

✘ 3. International Monetary Fund

✔ 4. World Intellectual Property Organization

Q.21 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. UX−YB

✔ 2. GJ−JP

✘ 3. PS−TW

✘ 4. YB−CF

Q.22 Which of the options below is equivalent to $216x^3 + 27y^3 + 324x^2y + 162xy^2$?

Ans

✔ 1. $(6x + 3y)^3$

✘ 2. $(8x + 3y)^3$

✘ 3. $(6x + 6y)^3$

✘ 4. $(3x + 6y)^3$

Q.23 The value of $(\sec\phi - \tan\phi)^2 (1 + \sin\phi)^2 \div \cos^2\phi$ is

Ans

✘ 1. −2

✘ 2. 2

✘ 3. 0

✔ 4. 1

Q.24 Priya bought 45 kg of apples and mangoes for ₹1,240. The prices of apples and mangoes were ₹25/kg and ₹30/kg, respectively. How much money did she spend on mangoes separately?

Ans

✘ 1. ₹650

✘ 2. ₹700

✔ 3. ₹690

✘ 4. ₹676

Q.25 In a certain code language,
'A + B' means 'A is the sister of B'
'A − B' means 'A is the brother of B'
'A × B' means 'A is the wife of B'
'A ÷ B' means 'A is the father of B'

Based on the above, how is M related to Q if 'M × N − O ÷ P + Q'?

Ans
✔ 1. Father's Brother's Wife
✘ 2. Mother's Brother's Wife
✘ 3. Father's Brother's Daughter
✘ 4. Mother's Brother's Daughter

Q.26 Which leader collaborated with Mahatma Gandhi during the Kheda Satyagraha in 1918?

Ans
✘ 1. Subhas Chandra Bose
✘ 2. Raj Kumar Shukla
✔ 3. Sardar Vallabhbhai Patel
✘ 4. Lala Lajpat Rai

Q.27 This question is based on the five, three-digit numbers given below.

(Left) 194 932 446 225 493 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the first digit of the highest number is added to the second digit of the lowest number?

Ans
✘ 1. 17
✘ 2. 16
✘ 3. 15
✔ 4. 18

Q.28 As per the Union Budget 2025-26, what is the total number of Gram Panchayats in India?

Ans
✔ 1. 2.68 lakh
✘ 2. 3.97 lakh
✘ 3. 2.00 lakh
✘ 4. 1.65 lakh

Q.29 What should come in place of the question mark (?) in the given series?

992 990 986 980 972 ?

Ans
✘ 1. 961
✘ 2. 958
✘ 3. 959
✔ 4. 962

Q.30 Which Harappan site shows evidence of ploughed fields?

Ans
✔ 1. Kalibangan
✘ 2. Mohenjo-daro
✘ 3. Dholavira
✘ 4. Lothal

Q.31 Independent dance numbers such as Chali, Ramdani and Jhumura are associated with which of the following dance forms?

Ans

✗ 1. Chhau

✓ 2. Sattriya

✗ 3. Bharatanatyam

✗ 4. Manipuri

Q.32 Two numbers are respectively 46% and 54% more than a third number. The ratio of the two numbers is:

Ans

✓ 1. 73 : 77

✗ 2. 83 : 75

✗ 3. 69 : 68

✗ 4. 67 : 86

Q.33 In the reaction: $2H_2 + O_2 \rightarrow 2H_2O$, if 5 moles of H_2 and 2 moles of O_2 are mixed, the limiting reagent is:

Ans

✗ 1. H_2

✗ 2. H_2O

✗ 3. CO_2

✓ 4. O_2

Q.34 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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.)
13 - 15 - 30 - 60 ; 3 - 5 - 10 - 20

Ans

✗ 1. 5 - 7 - 14 - 24

✗ 2. 10 - 12 - 24 - 42

✗ 3. 15 - 17 - 34 - 44

✓ 4. 8 - 10 - 20 - 40

Q.35 What is the maximum score possible for project design evaluation in the application form process of the Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY)?

Ans

✗ 1. 1300

✗ 2. 1000

✓ 3. 1400

✗ 4. 1200

Q.36 In February 2025, which day was celebrated to honour the Nightingale of India, Sarojini Naidu?

Ans

✗ 1. National Women's Freedom Day

✗ 2. National Women Leaders Day

✓ 3. National Women's Day

✗ 4. National Women Writers Day

Q.37 This question is based on the five, three-digit numbers given below.

(Left) 740 636 787 884 316 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

Ans

✔ 1. 14

✘ 2. 15

✘ 3. 17

✘ 4. 13

Q.38 Which of the following is NOT one of the components of the Panchayati Raj institutions in India at the village level?

Ans

✘ 1. Gram Panchayat

✔ 2. Panchayat Samiti

✘ 3. Gram Sabha

✘ 4. Nyaya Panchayat

Q.39 Train A running at a speed of 72 km/hr takes 24 seconds to completely cross train B running at 63 km/hr in the opposite direction. The length of train B is 1.5 times the length of train A. Train B crosses a bridge completely in 62 seconds. The length of the bridge (in m) is:

Ans

✘ 1. 626

✘ 2. 445

✘ 3. 433

✔ 4. 545

Q.40 A trader lost 5% by selling a shirt for ₹950. He will gain x% by selling it for ₹1,350. The value of x is:

Ans

✘ 1. 50

✔ 2. 35

✘ 3. 25

✘ 4. 45

Q.41 A person who spends 80% of his monthly income is able to save ₹6,738 per month. His monthly expenses (in ₹) are:

Ans

✘ 1. 26,925

✔ 2. 26,952

✘ 3. 26,921

✘ 4. 26,876

Q.42 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

NJ-QM-TV
QM-TP-WY

Ans

✘ 1. MH-PK-RU

✔ 2. LH-OK-RT

✘ 3. LH-OK-RU

✘ 4. MH-OK-RU

Q.43 Each of P, Q, R, S, T, U and V has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. P has an exam on Friday. Only 2 people have an exam between P and S. U has an exam immediately before V, and Q has an exam immediately after T. Only 2 people have an exam between R and V.
How many people have an exam before V?

Ans
- ✗ 1. 4
- ✗ 2. 1
- ✗ 3. 2
- ✓ 4. 3

Q.44 Which keyboard shortcut opens File Explorer in Windows 11 OS to navigate and create files/folders?

Ans
- ✗ 1. Alt + Tab
- ✓ 2. Windows Key + E
- ✗ 3. Ctrl + Shift + N
- ✗ 4. Ctrl + E

Q.45 The Capital Adequacy Ratio, sometimes seen in news, is related to which of the following?

Ans
- ✓ 1. Banking operations
- ✗ 2. Government budgeting
- ✗ 3. External borrowing of states
- ✗ 4. Trade operations

Q.46 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MR25, NS33, OT41, PU49, ?

Ans
- ✗ 1. QU57
- ✗ 2. QV58
- ✓ 3. QV57
- ✗ 4. QU58

Q.47 If the mode of a data exceeds its mean by 12.6, then the mode exceeds the median by _____.
(Use empirical formula.)

Ans
- ✗ 1. 15.9
- ✗ 2. 17.6
- ✗ 3. 18.2
- ✓ 4. 8.4

Q.48 The average of 9 numbers is 17. The average of 7 of these numbers is 16. The average of the remaining two numbers is:

Ans
- ✗ 1. 19.5
- ✓ 2. 20.5
- ✗ 3. 21.5
- ✗ 4. 22.5

Q.49 Which of the following is not a 'Sushira Vadya'?

Ans
- ✗ 1. Shehnai
- ✗ 2. Pungi
- ✗ 3. Bansuri
- ✓ 4. Sitar

Q.50 Simplify the following:

$$\frac{88}{9} \times (74 + 30) + 37$$

Ans

✗ 1. $\frac{2230}{9}$

✗ 2. $\frac{3872}{9}$

✓ 3. $\frac{9485}{9}$

✗ 4. $\frac{4205}{9}$

Q.51 Saline and Alkaline soils are most commonly found in:

Ans

✗ 1. the Deccan Plateau

✓ 2. drought-prone areas

✗ 3. the Deltas of Ganga and Godavari

✗ 4. the Western Himalayas

Q.52 A can complete a piece of work in 18 days and B can complete it in 22 days. If they work on alternate days, starting with B on the first day, then in how many days will the work be finished?

Ans

✗ 1. $18\frac{2}{9}$

✗ 2. $19\frac{2}{9}$

✗ 3. $18\frac{9}{11}$

✓ 4. $19\frac{9}{11}$

Q.53 What was the percentage distribution of persons in the age group 15-59 years (both rural and urban) who did NOT receive vocational/technical training, as per PLFS 2021-22?

Ans

✗ 1. 75%

✗ 2. 70%

✓ 3. 80.5%

✗ 4. 60%

Q.54 Who among the following was awarded with the MS Swaminathan Environment Protection Award 2024?

Ans

✗ 1. Vinod Ganatra

✗ 2. Alok Shukla

✓ 3. Anant Darshan Shankar

✗ 4. Arun Bansal

Q.55 This question is based on the five, three-digit numbers given below.

(Left) 205 712 237 862 578 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the first digit of the lowest number?

Ans

✗ 1. 5

✓ 2. 4

✗ 3. 3

✗ 4. 7

Q.56 In which of the following cases did the court restrict the Parliament from curtailing any Fundamental Right?

Ans

✗ 1. Golaknath vs State of Punjab

✓ 2. Kesavananda Bharati vs State of Kerala

✗ 3. Indira Gandhi vs Raj Narayan

✗ 4. A K Gopalan vs State of Madras

Q.57 How long (in years) will it take for ₹1,440 to become ₹2,700 at a rate of 10% per annum simple interest?

Ans

✗ 1. 10.75

✗ 2. 7.75

✗ 3. 9.75

✓ 4. 8.75

Q.58 M, N, O, P, Y and Z 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 two people live between O and Z. Only two people live between N and M. Only one person lives between P and M. P lives on floor numbered 1. O lives above M. How many people live below Y?

Ans

✓ 1. Three

✗ 2. Two

✗ 3. One

✗ 4. Four

Q.59 Q starts from Point P and drives 2 km towards the south. He then takes a right turn, drives 3 km, turns right and drives 11 km. He then takes a right turn and drives 4 km, turns left and drives 3 km. He then takes a right turn and drives 2 km. He takes a final right turn, drives 12 km and stops at Point O. How far (shortest distance) and towards which direction should he drive in order to reach Point P again? (All turns are 90 degree turns only unless specified.)

Ans

✗ 1. 7 km towards the north

✗ 2. 5 km towards the south

✗ 3. 3 km towards the east

✓ 4. 3 km towards the west

Q.60 The intense rainfall on the western side of the Western Ghats is due to which type of rainfall mechanism?

Ans

✗ 1. Frontal

✓ 2. Orographic

✗ 3. Convectional

✗ 4. Cyclonic

Q.61 **Each of C, D, E, F, S, T and U has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. S has the exam on Thursday and T has the exam on Saturday. F has the exam immediately before U. C has the exam on one of the days after E. D has the exam immediately after U. Who has the exam on the last day of the week?**

Ans
- ✗ 1. E
- ✗ 2. D
- ✓ 3. C
- ✗ 4. T

Q.62 **Which of the following national parks is recognised as the world's only floating national park?**

Ans
- ✗ 1. Sundarbans National Park
- ✗ 2. Bhitarkanika National Park
- ✓ 3. Keibul Lamjao National Park
- ✗ 4. Gulf of Mannar Marine National Park

Q.63 **In glycolysis, which enzyme catalyses the rate-limiting phosphorylation of fructose-6-phosphate?**

Ans
- ✗ 1. Pyruvate kinase
- ✗ 2. Glyceraldehyde-3-phosphate dehydrogenase
- ✗ 3. Hexokinase
- ✓ 4. Phosphofructokinase-1 (PFK-1)

Q.64 **Which of the following statements accurately describes the behavior of continuing numbering from a previous list when inserting a new numbered list within the same document in MS Word?**

Ans
- ✗ 1. MS Word automatically restarts the numbering from 1 for the new list, and there is no direct way to continue the previous sequence.
- ✓ 2. MS Word provides an option upon creating the new list to 'Continue from previous list', which needs to be explicitly selected.
- ✗ 3. Continuing numbering is only possible if both lists use the exact same numbering style and level.
- ✗ 4. MS Word automatically continues the numbering sequence from the previous list by default.

Q.65 **Which of the following companies assisted the Raja of Cochin in expelling the Portuguese from his kingdom in 1663?**

Ans
- ✓ 1. Dutch East India Company
- ✗ 2. Spanish East India Company
- ✗ 3. British East India Company
- ✗ 4. French East India Company

Q.66 **Arjun marks the price of his article 50% more than its cost price. If he sells the article for ₹86,580 after allowing a discount of 26%, then what will be the cost price (in ₹) of the article?**

Ans
- ✗ 1. 77,999
- ✗ 2. 78,002
- ✗ 3. 78,003
- ✓ 4. 78,000

Q.67 **Which of the following agricultural practices is called Ponam in Kerala and Podu in Odisha?**

Ans
- ✗ 1. Plantation farming
- ✗ 2. Subsistence farming
- ✓ 3. Shifting cultivation
- ✗ 4. Commercial farming

Q.68 A bank offers 7.8% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹9,920 each on 1 January and 1 July of a year. At the end of the year, the amount he would have gained by way of interest is _____ (give your answer correct to 2 decimal places).

Ans

✔ 1. ₹1,175.73

✘ 2. ₹1,185.69

✘ 3. ₹1,174.16

✘ 4. ₹1,183.37

Q.69 Find the area of a sector with a central angle of 150° in a circle with a radius of 12 cm.

Ans

✘ 1. $55\pi \text{ cm}^2$

✘ 2. $72\pi \text{ cm}^2$

✘ 3. $45\pi \text{ cm}^2$

✔ 4. $60\pi \text{ cm}^2$

Q.70 A, B, C, D, R, S and T are sitting around a circular table facing the centre of the table. Only four people sit between B and D when counted from the right of B. B sits third to the left of C. T sits third to the left of R. S is an immediate neighbour of both D and C. How many people sit between A and S when counted from the right of A?

Ans

✘ 1. Three

✘ 2. One

✘ 3. Four

✔ 4. Two

Q.71 MBKF is related to OGMK in a certain way based on the English alphabetical order. In the same way, QLOP is related to SQQU. To which of the given options is UVSZ related, following the same logic?

Ans

✘ 1. VBUD

✔ 2. WAUE

✘ 3. XZVF

✘ 4. WBTD

Q.72 If 14 : A :: A : 56, find the positive value of A.

Ans

✘ 1. 29

✘ 2. 31

✔ 3. 28

✘ 4. 26

Q.73 Which of the following best describes the underlying data structure that forms the basis of an electronic spreadsheet like MS Excel?

Ans

✘ 1. Relational database model with interconnected tables and fields

✘ 2. A hierarchical tree structure organizing data into nodes and branches

✔ 3. A two-dimensional grid composed of rows and columns intersecting to form cells

✘ 4. A linear sequence of data entries, similar to a text document

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Q.74 In May 2025, Jenu Kuruba families reoccupied their ancestral land in which of the following tiger reserves of India?

Ans

✘ 1. Hemis National Park

✔ 2. Nagarahole Tiger Reserve

✘ 3. Manas National Park

✘ 4. Sariska National Park

Q.75 **What significant achievement did Mohun Bagan Super Giant accomplish by winning the ISL 2024-25 title?**

Ans

✗ 1. They won the title without losing a single match.

✗ 2. They won the title with a 100% win rate at home.

✓ 3. They became the second team to win both the ISL League Shield and ISL Cup in the same season.

✗ 4. They became the first team to win the ISL title twice.

Q.76 **One important outcome of British social reforms was _____.**

Ans

✗ 1. spread of religious fundamentalism

✗ 2. increase in caste rigidity

✗ 3. decline in education

✓ 4. emergence of women in public life

Q.77 POR is the diameter of a circle. PQ and RQ are its two chords. The length of arc $\overset{\frown}{PQ}$ is half of the length of arc $\overset{\frown}{RQ}$. Find the measure of $\angle POQ$.

Ans

✗ 1. 30°

✗ 2. 120°

✗ 3. 90°

✓ 4. 60°

Q.78 **Which of the following is NOT the use of baking soda in the kitchen?**

Ans

✓ 1. For food colouring

✗ 2. In fire extinguishers

✗ 3. As a leavening agent

✗ 4. As an ingredient in antacids

Q.79 Find the value of $(K^2 - 5)$, if the quadratic equation $2x^2 - 8x + K = 0$ has real and equal roots.

Ans

✗ 1. 65

✓ 2. 59

✗ 3. 48

✗ 4. 51

Q.80 **What is the mode of the following data?**

41, 55, 45, 48, 40, 47, 41, 47, 54, 44, 49, 48, 53, 54, 50, 53, 41, 46

Ans

✓ 1. 41

✗ 2. 55

✗ 3. 48

✗ 4. 45

Q.81 **Who succeeded Ashoka to the throne?**

Ans

✓ 1. Dasharatha

✗ 2. Bindusara

✗ 3. Samprati

✗ 4. Chandragupta II

Q.82 Simplify: $10 \times (5 - 9) + \left(\frac{123}{41}\right)$

Ans
- ✗ 1. -31
- ✗ 2. -34
- ✗ 3. -35
- ✓ 4. -37

Q.83 What should come in place of the question mark (?) in the given series?

51 87 121 153 183 211 ?

Ans
- ✓ 1. 237
- ✗ 2. 249
- ✗ 3. 241
- ✗ 4. 253

Q.84 The Reserve Bank of India has its offices in how many locations in India, as of April 2025?

Ans
- ✗ 1. 30 locations
- ✗ 2. 28 locations
- ✗ 3. 34 locations
- ✓ 4. 33 locations

Q.85 Seven people, I, J, K, L, O, P and Q are sitting in a row, facing north. Only two people sit to the left of P. Only three people sit between P and I. Only one person sits between I and O. Q sits to the immediate left of K. J is not an immediate neighbour of I. How many people sit to the right of L?

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

Q.86 Why does the parliamentary system prevent executive despotism?

Ans
- ✗ 1. Because the judiciary can override executive decisions without checks
- ✗ 2. Because the Prime Minister has unlimited power
- ✓ 3. Because executive authority is dispersed among a group of ministers accountable to the Parliament
- ✗ 4. Because the military can intervene in governance

Q.87 A shopkeeper marks the price of an article at ₹3,930. Find the cost price if after allowing a discount of 40% he still gains 20% on the cost price.

Ans
- ✗ 1. ₹1,899
- ✓ 2. ₹1,965
- ✗ 3. ₹1,989
- ✗ 4. ₹1,981

Q.88 What is the primary objective of the 'Trinetra' project, developed by IIT Tirupati?

Ans
- ✗ 1. To implement AI-driven surveillance systems in schools
- ✗ 2. To create a cybersecurity curriculum for university students
- ✓ 3. To develop a mobile game promoting cybersecurity awareness
- ✗ 4. To establish a national cybersecurity task force

Q.89 One pipe can fill the tank in 18 minutes while another pipe can empty the completely filled tank in 19 minutes. If both the pipes are operated together on empty tank, how long (in minutes) will it take to fill one-third of the tank?

Ans

✔ 1. 114

✘ 2. 342

✘ 3. 456

✘ 4. 228

Q.90 The least number which, when diminished by 9, is divisible by 13, 20, 10 and 23 is:

Ans

✔ 1. 5989

✘ 2. 6035

✘ 3. 6010

✘ 4. 6015

Q.91 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

WOM CVS ICY OJE ?

Ans

✘ 1. UKQ

✘ 2. KUQ

✔ 3. UQK

✘ 4. KQU

Q.92 Who holds the position of President of the International Criminal Court (as of April 2025)?

Ans

✔ 1. Judge Tomoko Akane

✘ 2. Judge Karim AA Khan

✘ 3. Judge Silvia Fernández de Gurmendi

✘ 4. Judge Piotr Hofmański

Q.93 Daksh travels 445 km at 89 km/hr, the next 495 km at 55 km/hr and the next 250 km at 50 km/hr. What is his average speed (in km/hr) for the whole journey? (Corrected to two decimal places)

Ans

✔ 1. 62.63

✘ 2. 66.77

✘ 3. 57.21

✘ 4. 61.14

Q.94 In a certain code language, ‘FAST’ is coded as ‘2468’ and ‘SLOW’ is coded as ‘1327’. What is the code for ‘S’ in the given code language?

Ans

✘ 1. 7

✘ 2. 6

✔ 3. 2

✘ 4. 1

Q.95 How can a foreigner who has lived in India for 12 years acquire Indian citizenship?

Ans

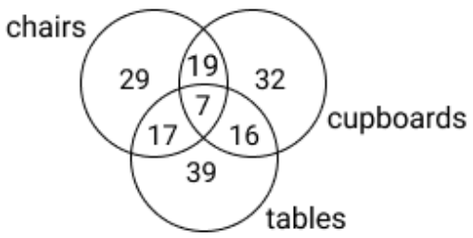
✘ 1. By birth

✔ 2. By naturalisation

✘ 3. By descent

✘ 4. By registration

Q.96 Study the given Venn diagram carefully and answer the question that follows.



The numbers in different sections indicate the number of pieces of furniture. How many chairs are there which are also cupboards but not tables?

Ans

✗ 1. 17

✓ 2. 19

✗ 3. 29

✗ 4. 7

Q.97 The curved surface area of a cylinder is half of its total surface area. If its height is 102 cm, then find its radius (in cm).

Ans

✗ 1. 103

✗ 2. 108

✗ 3. 100

✓ 4. 102

Q.98 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 ::?

: ONJ :: VUQ : %

Ans

✗ 1. # = UIM, % = STN

✓ 2. # = RQM, % = SRN

✗ 3. # = RIO, % = ASN

✗ 4. # = RYM, % = PRN

Q.99 In most Unix-based operating systems, which command is used to create an empty file if the file does not already exist?

Ans

✗ 1. cp

✗ 2. mkdir

✓ 3. touch

✗ 4. mkfile

Q.100 The sum of 6 numbers is 300. Find their average.

Ans

✗ 1. 51

✗ 2. 49

✗ 3. 48

✓ 4. 50