



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



Test Date	13/10/2025
Test Time	9:30 AM - 11:00 AM
Subject	RRB NTPC Graduate Level II

* 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 II

Q.1 Which country will host the 2034 FIFA World Cup?

- Ans 1. Saudi Arabia
 2. Brazil
 3. Russia
 4. Qatar

Q.2 The marked price of a shirt is ₹1,200. A shopkeeper offers two successive discounts of 5% and 15% on the marked price. By how many rupees is the selling price less than the marked price?

- Ans 1. ₹231
 2. ₹141
 3. ₹131
 4. ₹241

Q.3 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

What is Rahul's age(in years)?

Statements:

- I. Rahul was born when his father was 33 years old.
II. Rahul is 29 years younger than his mother.

- Ans 1. Data in Statement II alone is sufficient to answer the question while data in statement I is not
 2. Both statements I and II together are NOT sufficient to answer the question
 3. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 4. Data in statement I alone is sufficient to answer the question while data in statement II is not

Q.4 Infant mortality rate is the number of infants per thousand who die before reaching _____ year(s) of age.

- Ans 1. three
 2. one
 3. two
 4. six

Q.5 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. RX – MS
 - 2. NR – GL
 - 3. MF – HA
 - 4. IO – DJ

Q.6 In August 2025, India launched its first Artificial Intelligence (AI)-powered Anganwadi at which location, marking a major advancement in early childhood education?

- Ans**
- 1. Pipariya village, Madhya Pradesh
 - 2. Khargone village, Maharashtra
 - 3. Waddhamna village, Nagpur district, Maharashtra
 - 4. Dharampur village, Gujarat

Q.7 In a certain code, 'food is tasty' is coded as 'gm rt pj', 'snack is good' is coded as 'xl rt bn', and 'tasty good meal' is coded as 'pj bn dv'. What is the code for 'meal' in that code? (All codes are two-letter codes.)

- Ans**
- 1. bn
 - 2. dv
 - 3. rt
 - 4. pj

Q.8 A trader gives 10% discount on the marked price of an article and gives 4 articles free for buying 15 articles and gains 35% in the entire transaction. Assuming a customer pays for 15 articles, the marked price of an article is what percentage more than its cost price?

- Ans**
- 1. 90%
 - 2. 89%
 - 3. 95%
 - 4. 94%

Q.9 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**
- 1. NSS
 - 2. LPQ
 - 3. XBC
 - 4. SWX

Q.10 Which of the following Articles of the Indian Constitution automatically suspends the Fundamental Rights during emergencies?

- Ans**
- 1. 359
 - 2. 356
 - 3. 352
 - 4. 358

Q.11 The number 977340 is divisible by:

- Ans 1. 35
 2. 24
 3. 37
 4. 34

Q.12 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 conclusions logically follow(s) from the statements.

Statements:

Some calculators are stones.
All calculators are pens.
No calculator is an octopus.

Conclusions:

(I): No octopus is a stone.
(II): Some pens are octopuses.

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

Q.13 The 'Chennai Port' is located along which of the following water bodies?

- Ans 1. Andaman Sea
 2. Arabian Sea
 3. Bay of Bengal
 4. Gulf of Mannar

Q.14 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$26 + 8 \times 4 - 10 \div 5 = ?$$

- Ans 1. 75
 2. 73
 3. 77
 4. 74

Q.15 Who among the following is credited with the composition of a text called 'Gatha Saptasati' or 'Saptasati'?

- Ans 1. Srimukha
 2. Hala
 3. Gautamiputra
 4. Satakarni I

Q.16 The ratio of the cost prices of articles X and Y is 3 : 7. A man earns a profit of 14% by selling X and loses 11% by selling Y. What is his gain/loss percentage in the entire transaction?

- Ans 1. Gain, 3.5%
 2. Loss, 3%
 3. Loss, 3.5%
 4. Gain, 5%

Q.17 Evaluate the following.

$$\frac{5}{2} + \left(\frac{1}{1 + \frac{5}{7}} \right) - \frac{3}{2}$$

Ans

1. $\frac{18}{19}$

2. $\frac{28}{3}$

3. $\frac{11}{8}$

4. $\frac{19}{12}$

Q.18 Simplify: $0.848 \div 0.8 \times \frac{1}{2} + 0.125 \div \frac{5}{2} \times 0.4$

Ans

1. 0.73

2. 0.55

3. 0.53

4. 0.75

Q.19 On 3 June 2025, India secured the presidency of which international organisation, defeating Austria with 87 out of 141 votes?

Ans

1. United Nations Public Administration Network (UNPAN)

2. Global Institute of Governance and Public Administration (GIGPA)

3. Commonwealth Association for Public Administration (CAPA)

4. International Institute of Administrative Sciences (IIAS)

Q.20 On 3 March 2025, the world observed World Wildlife Day with which theme?

Ans

1. Recovering Key Species for Ecosystem Restoration

2. Forests and Livelihoods: Sustaining People and Planet

3. Wildlife Conservation Finance: Investing in People and Planet

4. Partnerships for Wildlife Conservation

Q.21 A, B, C, D, E, F, G and H are sitting around a square table facing the centre of the table. Some of them are sitting at the corners while some are sitting at the exact centre of the sides. F sits second to the right of G. F sits at one of the corners. Only three people sit between G and E when counted from the left of G. H sits third to the left of E. Only three people sit between H and B when counted from the left of H. C sits second to the right of B. D is not an immediate neighbour of E. How many people sit between E and D, when counted from the left of D?

Ans

1. None

2. One

3. Two

4. More than two

Q.22 Evaluate the following.

$$\frac{4}{3} + \left(\frac{1}{1 + \frac{2}{7}} \right) - \frac{4}{3}$$

Ans

✓ 1. $\frac{7}{9}$

✗ 2. $\frac{9}{8}$

✗ 3. $\frac{10}{3}$

✗ 4. $\frac{3}{13}$

Q.23 In the following series, only one letter-cluster is incorrect. Select the INCORRECT letter-cluster.

HQK KNN NKQ QHS TEW WBZ

Ans

✗ 1. NKQ

✗ 2. TEW

✓ 3. QHS

✗ 4. WBZ

Q.24 Which of the following is NOT a component of essential maternal care?

Ans

✗ 1. Supplementation of iron and folic acid

✗ 2. Tetanus immunisation

✗ 3. Education on breastfeeding practices

✓ 4. Intrauterine insemination (IUI)

Q.25 What should come in place of the question mark (?) in the given series?

7, 25, 61, 115, 187, ?

Ans

✗ 1. 278

✓ 2. 277

✗ 3. 276

✗ 4. 275

Q.26 What was the ranking of India in the Sustainable Development Goals (SDG) Index according to the 2025 edition of the Sustainable Development Report released in June 2025?

Ans

✗ 1. 121

✗ 2. 106

✓ 3. 99

✗ 4. 114

Q.27 MOST is related to EFKK in a certain way based on the English alphabetical order. In the same way, GEMJ is related to YVEA. To which of the given options is IDOI related, following the same logic?

Ans

✗ 1. AUZG

✗ 2. AGUZ

✓ 3. AUGZ

✗ 4. AGZU

Q.28 In August 2025, which facility was inaugurated by the Chief of the Army Staff (COAS), General Upendra Dwivedi, at IIT Madras to bridge academic research and military needs?

- Ans
- 1. Project SAMBHAV Secure Army Mobile Lab
 - 2. Bharat Military Technology Incubation Hub
 - 3. Agnishodh, the Indian Army Research Cell (IARC)
 - 4. Defence Innovation and Technology Research Centre

Q.29 The sides of a triangle are 70 cm, 56 cm and 42 cm. What is its area? (in cm²)

- Ans
- 1. 1176
 - 2. 1171
 - 3. 1186
 - 4. 1211

Q.30 The simplified value of $72 \div \left[\frac{12}{6} \times \{3 + 9 - (5 + 5 - (2 + 5))\} \right]$ is:

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

Q.31 During a sale 50% of the goods are sold at 45% profit, 30% of the remaining goods are sold at 27% profit and the still remaining goods are sold at a loss of 43%. If there is an overall profit of x%, then what is the value of x?

- Ans
- 1. 11.5
 - 2. 10
 - 3. 12
 - 4. 13

Q.32 Find the weighted average of the numbers 17, 12, 23, 45, and 301, using the respective weights 29, 87, 15, 26, and 18.

- Ans
- 1. 58.4
 - 2. 42.42
 - 3. 42.5
 - 4. 48.4

Q.33 Which of the following is NOT a direct tax?

- Ans
- 1. Income tax
 - 2. Tax on capital gains
 - 3. Corporate tax
 - 4. Value Added Tax (VAT)

Q.34 Gharana Parampara is found in which of the following?

- Ans
- 1. Karnataka Classical Music
 - 2. Hindustani Classical Music
 - 3. Hindustani Lok Music
 - 4. Karnataka Folk Music

Q.35 Which of the following zones lies between low and high tide in sea margins?

- Ans
- 1. Foreshore
 - 2. Shoreline
 - 3. Near-shore
 - 4. Tidal zone

Q.36 Who among the following was the Prime Minister of India when India launched its Chandrayaan-2 mission?

- Ans
- 1. Dr Manmohan Singh
 - 2. PV Narasimha Rao
 - 3. Atal Bihari Vajpayee
 - 4. Narendra Modi

Q.37 In MS Excel 2019, what is the maximum column width that can be set, and what does it represent?

- Ans
- 1. 409 – Represents the number of visible characters possible in a zoomed-out view
 - 2. 255 – Represents the number of characters in the default font that fit in a cell
 - 3. 255 – Represents pixels based on the monitor resolution
 - 4. 32767 – Represents the maximum number of characters storable in a cell

Q.38 In a terrestrial ecosystem, green plants capture approximately what percentage of solar energy falling on their leaves?

- Ans
- 1. 10%
 - 2. 1%
 - 3. 5%
 - 4. 0.01%

Q.39 What is the percentage of population living in cities referred to as?

- Ans
- 1. Growth Rate
 - 2. Population Density
 - 3. Urbanisation
 - 4. Crude Birth Rate

Q.40 In the context of operating systems, what does PCB stand for?

- Ans
- 1. Process Control Block
 - 2. Printed Circuit Board
 - 3. Program Control Board
 - 4. Permanent Code Buffer

Q.41 In August 2025, Spanish tennis star Carlos Alcaraz won his first-ever Cincinnati Open title after which player retired in the final?

- Ans
- 1. Alexander Zverev
 - 2. Novak Djokovic
 - 3. Jannik Sinner
 - 4. Daniil Medvedev

Q.42 The value of $6^2 + \sqrt{2^2} - 5\sqrt{25} - 11$ is

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

Q.43 What should come in place of the question mark (?) in the given series?

2 12 60 240 ? 1440

- Ans
- 1. 760
 - 2. 720
 - 3. 660
 - 4. 780

Q.44 Samar starts from point A and drives 7 km towards east. He then takes a right turn and drives 9 km. He takes a final right turn and drives 13 km and stops at point B. Wahid starts from point P, which is 14 km east of Point A, and drives 3 km towards west. He then takes a left turn and drives 9 km. He takes a final right turn and drives 8 km and stops at Point Q. What is the shortest distance between Point Q and Point B? (All turns are 90 degree turns only.)

- Ans
- 1. 11 km
 - 2. 10 km
 - 3. 9 km
 - 4. 8 km

Q.45 If 'A' stands for '+', 'B' stands for '-', 'C' stands for 'x' and 'D' stands for '÷', what will come in place of the question mark (?) in the following equation?

25 C 3 B 12 D 4 A 10 = ?

- Ans
- 1. 83
 - 2. 81
 - 3. 82
 - 4. 80

Q.46 As part of an initiative of the Union government, the NCCF started selling onions through mobile vans in Mumbai during September 2025 at subsidized rates. What does NCCF stand for?

- Ans
- 1. National Consumer Confederation for Food
 - 2. National Cooperative Consumers' Federation of India
 - 3. National Cooperative Confederation for Food supplies
 - 4. National Consumer Cooperative for Food distribution

Q.47 In July 2025, the Indian Army began restructuring single-arm brigades into integrated combat units combining infantry, tanks, artillery, engineers, UAVs and Special Forces. What are these units called?

- Ans
- 1. Agni Multi-Domain Combat Units
 - 2. Rudra All-Arms Brigades
 - 3. Vajra Integrated Battle Groups
 - 4. Sena Combined Operations Brigades

Q.48 In the following series, only one letter-cluster is incorrect. Select the INCORRECT letter-cluster.

FHK IKN LNQ OQT RSW

- Ans
- 1. OQT
 - 2. FHK
 - 3. LNQ
 - 4. RSW

Q.49 Which meristematic tissue is found at nodes and helps in regrowth of grasses?

- Ans
- 1. Lateral
 - 2. Intercalary
 - 3. Permanent
 - 4. Apical

Q.50 Which keyboard shortcut allows you to quickly delete the word to the left of the cursor in MS Word 2019?

- Ans
- 1. Ctrl + Backspace
 - 2. Shift + Backspace
 - 3. Alt + Backspace
 - 4. Ctrl + Delete

Q.51 In the substitution of methane with chlorine, sunlight is required to:

- Ans
- 1. initiate free radical formation
 - 2. absorb chlorine
 - 3. provide heat
 - 4. prevent oxidation

Q.52 If the ratio of the quadrilateral's four angles is $\angle w : \angle x : \angle y : \angle z = 2 : 3 : 3 : 4$, then what is the value of $\angle x$?

- Ans
- 1. 80°
 - 2. 90°
 - 3. 60°
 - 4. 70°

Q.53 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$32 - 15 \div 5 + 10 \times 2 = ?$$

- Ans
- 1. 101
 - 2. 100
 - 3. 103
 - 4. 102

Q.54 Which keyboard shortcut allows you to open the Open dialog box in MS PowerPoint 2019 for selecting a file to open?

- Ans
- 1. Ctrl + O
 - 2. Shift + O
 - 3. Alt + O
 - 4. Ctrl + Shift + O

Q.55 A group of 30 students has secured the average marks of 70 and another group of 20 students has secured the average marks of 80. What is the average marks secured by students of both the groups taken together?

- Ans
- 1. 72
 - 2. 74
 - 3. 76
 - 4. 78

Q.56 India's North Central Railway Zone's Headquarter is located in _____.

- Ans
- 1. Jabalpur
 - 2. Prayagraj
 - 3. Jaipur
 - 4. Bilaspur

Q.57 Refer to the following letter, number, symbol series and answer the question

(Left) \$ T 1 & 9 Z 7 * A M S 1 * D % 7 * (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- Ans
- 1. T
 - 2. 7
 - 3. 9
 - 4. 1

Q.58 Find the number of bricks, each measuring 72 cm × 50 cm × 25 cm, required to construct a wall 81 m long, 29 m high and 0.8 m thick, while the sand and cement mixture occupies 40% of the total volume of wall.

- Ans
- 1. 12496
 - 2. 12687
 - 3. 12528
 - 4. 12727

Q.59 A, B, C, D, X and Y each scored different marks. Only two people have scored more than A. Only B has scored less than D. X has scored more than Y but less than C. How many people have scored more than X?

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

Q.60 Who among the following was the Chola conqueror of Ganga?

- Ans
- 1. Rajaraja I
 - 2. Rajendra I
 - 3. Aditya
 - 4. Vijayalaya

Q.61 Mahatma Gandhi labelled which repressive British legislation as the 'Black Act' and called for an All-India mass protest against it in 1919?

- Ans
- 1. Indian Councils Act
 - 2. Rowlatt Act
 - 3. Vernacular Press Act
 - 4. Arms Act

Q.62 Which of the following ratios is the greatest?

- Ans
- 1. 13 : 40
 - 2. 23 : 45
 - 3. 19 : 43
 - 4. 20 : 38

Q.63 MPQO is related to UXYW in a certain way based on the English alphabetical order. In the same way, DGHF is related to LOPN. To which of the given options is KNOM related, following the same logic?

- Ans
- 1. SWUV
 - 2. SVWU
 - 3. SUWV
 - 4. SWVU

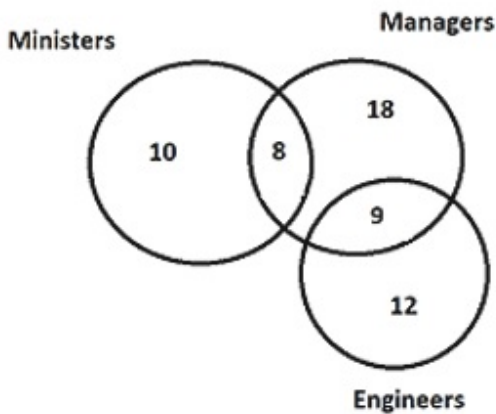
Q.64 The primary force responsible for pulling water upward in tall plants is _____.

- Ans
- 1. transpiration
 - 2. root pressure
 - 3. guttation
 - 4. osmosis

Q.65 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. Q has an exam on Thursday. Exactly four people have their exam between U and P, neither of whom has an exam on Sunday. R has an exam immediately before S. V does not have an exam on Friday. U does not have an exam after S. How many people have exams after P?

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

Q.66 Study the given Venn diagram carefully and answer the question that follows. The numbers in different sections indicate the number of persons.



How many Ministers are there who are Managers but NOT Engineers?

- Ans
- 1. 10
 - 2. 8
 - 3. 9
 - 4. 18

Q.67 What should come in place of the question mark (?) in the given series?

12, 25, 51, 90, 142, ?

- Ans
- 1. 207
 - 2. 206
 - 3. 208
 - 4. 209

Q.68 Which of the following is the characteristic of Montane Forest?

- Ans
- 1. Some of the important trees of this forest are ebony, mahogany etc.
 - 2. Royal Bengal Tiger is the famous animal in these forests.
 - 3. Evergreen broad-leaf trees, such as oaks and chestnuts predominate here.
 - 4. Teak is the most dominant species of this forest.

Q.69 In a certain code language,
A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A ÷ B means 'A is the father of B'.

Which of the following means that R is the mother's brother of T ?

- Ans
- 1. $P \times Q \div R - S \times T$
 - 2. $P \div Q \times R \div S + T$
 - 3. $P \div Q \times R - S + T$
 - 4. $P \div Q - R \times S - T$

Q.70 In the following series, only one letter-cluster is incorrect. Select the INCORRECT letter-cluster.

JFB RNJ ZVR HDZ PLK XTP

- Ans
- 1. HDZ
 - 2. ZVR
 - 3. PLK
 - 4. RNJ

Q.71 The name given by Wegener to a huge water body that surrounded Pangaea is:

- Ans
- 1. Laurasia
 - 2. Water hemisphere
 - 3. Tethys
 - 4. Panthalassa

Q.72 The price of a product is increased by 15% and then a discount of 8% is applied. Find the net percentage increase in the price.

- Ans
- 1. 5%
 - 2. 6.2%
 - 3. 7%
 - 4. 5.8%

Q.73 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- 1. KO-NR
 - 2. MQ-PT
 - 3. AE-DH
 - 4. GK-IP

Q.74 From a taxi stand, two cabs start at a speed of 57 km/hr at an interval of 12 minutes, both cabs travelling in the same direction. A man coming in the opposite direction towards the taxi stand meets the cabs at an interval of 10 minutes. Find the speed (in km/hr) of the man.

- Ans**
- 1. 7.9
 - 2. 12.7
 - 3. 9.5
 - 4. 11.4

Q.75 The ratio of the salaries of two employees is 3 : 4. If the first employee's salary is increased by 10% and the second employee's salary is increased by 20%, what will be the new ratio of their salaries?

- Ans**
- 1. 33: 56
 - 2. 33 : 47
 - 3. 3 : 4
 - 4. 11 : 16

Q.76 Ramesh invested ₹25,000 each in two different schemes for 2 years. The rate of interest in the first scheme is 8% per annum, compounded annually, and in the second scheme it is 6% per annum, compounded annually. What is the difference in the compound interest earned from both the schemes?

- Ans**
- 1. ₹1,070
 - 2. ₹1,050
 - 3. ₹1,060
 - 4. ₹1,040

Q.77 The average of five consecutive integers is 12. What is the largest of these integers?

- Ans**
- 1. 13
 - 2. 16
 - 3. 11
 - 4. 14

Q.78 A solid metal cylinder of height 20 cm and diameter 14 cm is melted and recast into two solid cones having volume in the ratio 3 : 4, keeping the height 35 cm. What would be the percentage change in the flat surface area (area of the bases) before and after?

- Ans**
- 1. $26\frac{1}{13}\%$ decrease
 - 2. $22\frac{1}{9}\%$ increase
 - 3. $9\frac{1}{11}\%$ increase
 - 4. $14\frac{2}{7}\%$ decrease

Q.79 Which country is known for its unique 'Dragon King' monarchy?

- Ans**
- 1. Bhutan
 - 2. Sri Lanka
 - 3. China
 - 4. Bangladesh

Q.80 What does the number of compressions or rarefactions passing a point per unit time represent in a sound wave?

- Ans**
- 1. Wavelength
 - 2. Frequency
 - 3. Amplitude
 - 4. Loudness

Q.81 The downstream speed is 125 km/hr and the upstream speed is 25 km/hr. It takes a total of 25 hours to go to a place and come back. What is the total distance (in km) travelled by boat?

- Ans**
- 1. $520\frac{5}{6}$
 - 2. $520\frac{1}{6}$
 - 3. $1041\frac{1}{3}$
 - 4. $1041\frac{2}{3}$

Q.82 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

WASH - HSWA - WSAH
NEST - TSNE - NSET

- Ans**
- 1. FOGS - SGFO - OGFS
 - 2. PACE - PCAE - ECAP
 - 3. TRAY - RATY - RAYT
 - 4. OILS - SLOI - OLIS

Q.83 The average of three numbers is 49. The first number is twice the second, and the second is twice the third. What is the largest number?

- Ans**
- 1. 21
 - 2. 42
 - 3. 84
 - 4. 63

Q.84 Which of the following are aspects of the Centre-State legislative relation?

1. Territorial extent of Central and state legislation
2. Distribution of legislative subjects
3. Parliamentary legislation in the state field
4. Centre's control over state legislation

- Ans**
- 1. Only 1 and 2
 - 2. Only 1, 2 and 3
 - 3. All 1, 2, 3 and 4
 - 4. Only 2 and 3

Q.85 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.

(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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

11, 68
14, 86

- Ans**
- 1. 17, 103
 - 2. 17, 104
 - 3. 18, 103
 - 4. 18, 104

Q.86 Namesh starts from point A and drives 4 km towards west. He then takes a left turn and drives 5 km. He takes a final left turn and drives 6 km and stops at point B. Rimit starts from point P, which is 16 km east of Point A, and drives 3 km towards east. He then takes a right turn and drives 5 km. He takes a final left turn and drives 3 km and stops at Point Q. What is the shortest distance between Point Q and Point B? (All turns are 90 degree turns only.)

- Ans**
- 1. 19 km
 - 2. 21 km
 - 3. 20 km
 - 4. 22 km

Q.87 In this question, a statement is given followed by two courses of action, numbered I and II. You must assume everything in the statement to be true, and on the basis of the information given in the statement, decide which of the given courses of action logically follow(s) for pursuing.

Statement:

Reports indicate that fish populations in River Y have declined sharply due to excessive fishing and industrial pollution.

Courses of Action:

I. Fishing in River Y should be regulated for at least six months.

II. Industries should be ordered to treat waste before discharging into River Y.

- Ans**
- 1. Only II follows
 - 2. Neither I nor II follows
 - 3. Only I follows
 - 4. Both I and II follow

Q.88 Which of the following Articles deals with the composition of the panchayats?

- Ans**
- 1. Article 243D
 - 2. Article 243C
 - 3. Article 243B
 - 4. Article 243A

Q.89 Eight people are sitting in two parallel rows containing 4 people each in such a way that there is equal distance between adjacent persons.

In row 1 – A, D, O and P are seated and all of them are facing south.

In row 2 – U, W, Y and F are seated and all of them are facing north.

Thus each person faces another person from the other row.

U sits third to the left of Y. The one facing P is an immediate neighbour of Y. A sits at some place to the right of P and is not facing W. D sits third to the right of O. Who amongst the following faces F?

- Ans**
- 1. U
 - 2. D
 - 3. A
 - 4. W

Q.90 6 is related to 34 following a certain logic. Following the same logic, 8 is related to 46. To which of the given options is 10 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 to/subtracting from/multiplying with 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. 57
 - 2. 55
 - 3. 56
 - 4. 58

Q.91 If i is the angle of incidence and r is the angle of refraction, which relation is correct according to Snell's law?

- Ans**
- 1. $\sin i + \sin r = \text{constant}$
 - 2. $\sin i \times \sin r = \text{constant}$
 - 3. $\sin i + \sin r = \text{constant}$
 - 4. $\sin i - \sin r = \text{constant}$

Q.92 When a plain text email is sent, which Content-Type value is typically specified in the message header, according to MIME standards?

- Ans**
- 1. text/html; charset=ASCII
 - 2. text/plain; charset=UTF-8
 - 3. multipart/mixed
 - 4. application/octet-stream

Q.93 A, B, C, D, E and F have different heights. C is shorter than exactly 1 person. D is shorter than A but taller than F. E is shorter than F, and C is shorter than B. How many people are taller than D?

- Ans**
- 1. 4
 - 2. 1
 - 3. 3
 - 4. 2

Q.94 Refer to the given letter, number, symbol series and answer the question that follows.

(Left) D 4 & A \$ Z G 7 R 5 % W 2 @ 3 # V 6 & F Y (Right)

If all the numbers are dropped from the series, which of the following will be seventh from the right?

- Ans**
- 1. G
 - 2. %
 - 3. @
 - 4. W

Q.95 In a certain code, 'books are knowledge' is coded as 'mk xp zj', 'knowledge is power' is coded as 'zk xp vr', and 'power brings success' is coded as 'vr mk gt'. What is the code for 'is' in that code? (All codes are two-letter codes.)

- Ans**
- 1. xp
 - 2. vr
 - 3. zk
 - 4. mk

Q.96 Which Governor-General of India (1848-1856) was mainly associated with enforcing the Doctrine of Lapse to annex Indian states without a male heir?

- Ans**
- 1. Lord Dalhousie
 - 2. Lord Cornwallis
 - 3. Lord Hastings
 - 4. Lord Wellesley

Q.97 The price of 4 pens and 5 notebooks is ₹130. If the price of a pen increases by 25% and the price of a notebook decreases by 20%, then the price of 2 pens and 4 notebooks becomes ₹82. What is the original price of 1 pen and 2 notebooks?

- Ans**
- 1. ₹30
 - 2. ₹25
 - 3. ₹20
 - 4. ₹40

Q.98 Which of the following statements, in the context of Indian citizenship provisions, is correct?

- I) Citizenship is listed in the State list.
- II) Articles 5 to 11 of the Constitution of India deal with various categories of persons who are entitled to citizenship.
- III) There are only three ways to get Indian citizenship.

- Ans
- 1. Only III
 - 2. Only II
 - 3. Only I and III
 - 4. I, II and III

Q.99 If x varies inversely as $y^3 - 1$ and x is equal to 6 when $y = 4$, find the value of x when $y = 8$.

- Ans
- 1. $\frac{143}{141}$
 - 2. $\frac{147}{115}$
 - 3. $\frac{83}{98}$
 - 4. $\frac{54}{73}$

Q.100 In 1878, dissatisfied followers of Keshab Chandra Sen established the Sadharan Brahma Samaj. Who among the following were its founders?

- Ans
- 1. Sib Chandra Deb, Rabindranath Tagore and Surendranath Banerjee
 - 2. Ishwar Chandra Vidyasagar, Ananda Mohan Bose and Bankim Chandra Chatterjee
 - 3. Raja Ram Mohan Roy, Debendranath Tagore and Keshab Chandra Sen
 - 4. Ananda Mohan Bose, Sib Chandra Deb and Umesh Chandra Dutta

Q.101 Pure ghee costs ₹112/kg. After adulterating it with vegetable oil costing ₹56/kg, a dishonest shopkeeper sells the mixture at the rate of ₹91/kg, thereby making a profit of 30%. In what ratio does he mix the two?

- Ans
- 1. 2 : 3
 - 2. 6 : 5
 - 3. 3 : 5
 - 4. 1 : 3

Q.102 Life expectancy is an indicator of which of the following?

- Ans
- 1. Human Development Report
 - 2. Technology and Innovation Report
 - 3. Commodities and Development Report
 - 4. World Employment Report

Q.103 Which of the following traditional dance forms in India incorporates the use of a pair of decorated sticks and is traditionally performed during Navratri?

- Ans
- 1. Bhangra
 - 2. Bihu
 - 3. Koli
 - 4. Dandiya

Q.104 Why does evaporation cause cooling?

- Ans
- 1. Because evaporation increases particle size
 - 2. Because evaporation reduces air pressure
 - 3. Because particles lose heat to the surroundings during evaporation
 - 4. Because particles absorb latent heat from the surroundings during evaporation

Q.105 A machine depreciates at a rate of 10% per annum. If the current value of the machine is ₹1,00,000, what will be its value after 2 years?

- Ans
- 1. ₹79,000
 - 2. ₹81,000
 - 3. ₹78,000
 - 4. ₹80,000

Q.106 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. S has an exam on Tuesday. Exactly two people have an exam between S and P. T has an exam immediately before U and R has an exam immediately after Q. Only 1 person has an exam between U and Q. How many people have exams after Q?

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

Q.107 What happens to the speed of sound in a medium when its temperature increases?

- Ans
- 1. It decreases.
 - 2. It increases.
 - 3. It remains the same.
 - 4. It is not affected by the temperature.

Q.108 The reservation of seats for women in Panchayati Raj institutions is provided by which of the following Constitutional amendments?

- Ans
- 1. 75th Amendment
 - 2. 74th Amendment
 - 3. 73rd Amendment
 - 4. 70th Amendment

Q.109 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the most appropriate answer.

Question:

Among 5 students, F, A, K, E and D each having a different height, which student is the shortest?

Statements:

(I) A is shorter than E. K is shorter than F.

(II) K is taller than A.

- Ans
- 1. Data in statements I and II together are NOT sufficient to answer the question
 - 2. Data in statement II alone is sufficient to answer the question while data in statement I is not
 - 3. Data in statement I alone is sufficient to answer the question while data in statement II is not
 - 4. Data in statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

Q.110 Which of the following numbers is divisible by 39?

- Ans
- 1. 625649
 - 2. 622710
 - 3. 622776
 - 4. 625092

Q.111 Which statement about lyophilic sols is correct?

- Ans
- 1. They do not show the Tyndall effect.
 - 2. They have strong affinity for the dispersion medium.
 - 3. They are unstable compared to lyophobic sols.
 - 4. They are easily coagulated by electrolytes.

Q.112 If the ratio of two numbers is 5 : 4 and their HCF is 5, find their LCM.

- Ans
- 1. 90
 - 2. 128
 - 3. 100
 - 4. 124

Q.113 The Brundtland Report, 'Our Common Future' (1987), formally introduced which key concept, defined as meeting present needs without compromising the ability of future generations to meet their own?

- Ans
- 1. Green Economy
 - 2. Inclusive Growth
 - 3. Sustainable Development
 - 4. Ecological Modernisation

Q.114 The Champaran Satyagraha of 1917, Gandhi's first major involvement in India's freedom struggle, was launched in support of which group?

- Ans
- 1. Indigo farmers in Bihar
 - 2. Cotton mill workers in Bombay
 - 3. Tea plantation workers in Assam
 - 4. Peasant tenants in Awadh

Q.115 A man covers equal distances at the speeds of 19 km/hr, 8 km/hr and 5 km/hr. His average speed for the entire journey is:

- Ans
- 1. $13\frac{271}{287}$ km/hr
 - 2. $3\frac{271}{287}$ km/hr
 - 3. $7\frac{271}{287}$ km/hr
 - 4. $5\frac{271}{287}$ km/hr

Q.116 Who was appointed as the president and chief executive officer of BMW Group India as of September 2025?

- Ans
- 1. Anurag Mehrotra
 - 2. Santosh Iyer
 - 3. Hardeep Singh Brar
 - 4. Balbir Singh Dhillon

Q.117 Three bells ring at intervals of 12, 15 and 18 minutes. If they rang together at 10:00 am, when will they ring together again?

- Ans
- 1. 4:00 p.m.
 - 2. 12:00 p.m.
 - 3. 1:00 p.m.
 - 4. 2:00 p.m.

Q.118 Find the simplified value of $7-8 \times 11-8 \times 13-8$.

- Ans
- 1. $\frac{1}{962^8}$
 - 2. $\frac{1}{1001^8}$
 - 3. $\frac{1}{995^8}$
 - 4. $\frac{1}{1025^8}$

Q.119 The simple interest (in ₹) on ₹5,000 at 5% per annum for 2 years is:

- Ans
- 1. 530
 - 2. 500
 - 3. 600
 - 4. 580

Q.120 The price of fuel decreases by 10%, 45% and 10% in three successive months, but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places.)

- Ans
- 1. Decreases by 26.49%
 - 2. Decreases by 30.57%
 - 3. Increases by 21.55%
 - 4. Increases by 25.16%



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



Test Date	13/10/2025
Test Time	2:30 PM - 4:00 PM
Subject	RRB NTPC Graduate Level II

* 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 II

Q.1 A shopkeeper lists the price of a fan at 50% above its cost price and offers a 10% discount on its list price. If he earns a profit of ₹56, then what is the list price (in ₹) of the fan?

- Ans
- 1. 240
 - 2. 324
 - 3. 260
 - 4. 493

Q.2 As per Zoological Survey of India's 'Animal Discoveries - New Species and New Records 2023', which species is recognised as the largest existing bovine in India?

- Ans
- 1. Gaur
 - 2. Nilgai
 - 3. Yak
 - 4. Wild water buffalo

Q.3 Who has been appointed as the first woman Vice Chancellor of the Indira Gandhi National Open University (IGNOU) on July 2025?

- Ans
- 1. Prof. Anu Singh Lather
 - 2. Dr. Najma Akhtar
 - 3. Prof. Shashikala Wanjari
 - 4. Prof. Uma Kanjilal

Q.4 According to the Ministry of Power, which of the following is the primary source of energy in India? (As of May 2023).

- Ans
- 1. Solar
 - 2. Nuclear
 - 3. Thermal
 - 4. Hydroelectric

Q.5 Which climate classification system is most widely used in the world?

- Ans
- 1. Trewartha Classification
 - 2. Thornthwaite Classification
 - 3. Strahler Classification
 - 4. Koppen Classification

Q.6 Which of the following numbers is divisible by 93?

- Ans
- 1. 856497
 - 2. 855786
 - 3. 856159
 - 4. 858226

Q.7 The sides of a triangle are 189 cm, 48 cm and 195 cm. What is its area? (in cm^2)

- Ans
- 1. 4532
 - 2. 4509
 - 3. 4501
 - 4. 4536

Q.8 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- 1. NQ-NT
 - 2. LO-MP
 - 3. IL-JM
 - 4. JM-KN

Q.9 Simplify: $\left(\frac{4}{2}\right)x^2 + 4x - \frac{2}{2} + \left(\frac{4}{2}\right)x^2 - 7x + \frac{6}{2}$

- Ans
- 1. $-4x^2 - (-3)x + (2)$
 - 2. $4x^2 + (-3)x + (2)$
 - 3. $-4x^2 - (-3)x - (2)$
 - 4. $4x^2 + (-3)x - (2)$

Q.10 The total surface area of a solid hemisphere is 155 cm^2 . Its radius (in cm) is _____. (Take $\pi = \frac{22}{7}$)

- Ans
- 1. $\sqrt{\frac{1094}{66}}$
 - 2. $\sqrt{\frac{1077}{132}}$
 - 3. $\sqrt{\frac{1085}{66}}$
 - 4. $\sqrt{\frac{1090}{66}}$

Q.11 The ratio of the cost prices of articles X and Y is 2 : 3. A man earns a profit of 43% by selling X and loses 12% by selling Y. What is his gain/loss percentage in the entire transaction?

- Ans**
- 1. Gain, 10%
 - 2. Gain, 9.5%
 - 3. Loss, 11.5%
 - 4. Loss, 10%

Q.12 The ages of P and Q are in the ratio 5 : 9. If P's age is 25 years, then Q is how many years older than P?

- Ans**
- 1. 20 years
 - 2. 10 years
 - 3. 15 years
 - 4. 25 years

Q.13 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- 1. DH-DK
 - 2. NR-OS
 - 3. QU-RV
 - 4. VZ-WA

Q.14 What is China's global infrastructure initiative aimed at fostering connectivity worldwide, launched in 2013?

- Ans**
- 1. Great Wall Initiative
 - 2. Economic Belt Initiative
 - 3. Economic Corridor
 - 4. Belt and Road Initiative

Q.15 A 40 kg object is moved horizontally from point A to point B on a table. What is the work done by gravity during this movement?

- Ans**
- 1. 10 J
 - 2. 0 J
 - 3. 98 J
 - 4. 400 J

Q.16 The number 699138 is divisible by:

- Ans**
- 1. 117
 - 2. 99
 - 3. 102
 - 4. 108

Q.17 J, K, L, M, P and Q each scored different marks. Only two people have scored between P and K. Only one person has scored more than M. Only three people have scored between M and P. Q has scored more than L but less than J. How many people have scored less than L?

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

Q.18 Ajit starts from point A and drives 8 km towards east. He then takes a right turn and drives 17 km. He takes a final left turn and drives 10 km and stops at point B. Vishal starts from point P, which is 13 km east of point A, and drives 6 km towards east. He then takes a right turn and drives 17 km. He takes a final left turn and drives 1 km and stops at point Q. What is the shortest distance between point Q and point B? (All turns are 90-degree turns only.)

- Ans
- 1. 3 km
 - 2. 1 km
 - 3. 4 km
 - 4. 2 km

Q.19 An object of mass 8 kg is placed 7 meters above the ground. What is the energy it possesses? (Take $g=10 \text{ m/s}^2$)

- Ans
- 1. 224 J
 - 2. 80 J
 - 3. 56 J
 - 4. 560 J

Q.20 LMNO is a cyclic quadrilateral such that $\angle M = 102^\circ$. The tangents at L and N meet at a point P. What is the measure of $\angle LPN$?

- Ans
- 1. 26°
 - 2. 20°
 - 3. 24°
 - 4. 22°

Q.21 A, B, C, D, E, F, G and H are sitting around a square table facing the centre of the table. Some of them are sitting at the corners while some are sitting at the exact centre of the sides. E sits third to the left of B. E does not sit at the centre of any side. F sits second to the right of B. G is the immediate neighbour of D and B. H sits to the immediate left of F. C does not sit in a corner. How many people sit between D and A when counted from the left of D?

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

Q.22 Find the value of the following expression.

$$\frac{3}{2} + \left(\frac{1}{1 + \frac{3}{7}} \right) - \frac{3}{5}$$

- Ans
- 1. $\frac{18}{11}$
 - 2. $\frac{3}{2}$
 - 3. $\frac{8}{5}$
 - 4. $\frac{6}{5}$

Q.23 Which Article of the Constitution of India contains the provisions regarding 'Rights of citizenship of certain persons of Indian origin residing outside India'?

- Ans**
- 1. Article 11
 - 2. Article 5
 - 3. Article 8
 - 4. Article 13

Q.24 The Intergovernmental Panel on Climate Change (IPCC), founded in 1988 to address global warming, was established by which two organisations?

- Ans**
- 1. UN Development Programme (UNDP) and UN Framework Convention on Climate Change (UNFCCC)
 - 2. World Meteorological Organization (WMO) and United Nations Environment Programme (UNEP)
 - 3. World Bank and International Monetary Fund (IMF)
 - 4. International Energy Agency (IEA) and World Trade Organization (WTO)

Q.25 Which Governor-General of India introduced the Subsidiary Alliance System, compelling Indian rulers to host a British force and pay for its maintenance?

- Ans**
- 1. Lord Wellesley
 - 2. Lord Cornwallis
 - 3. Lord Hastings
 - 4. Lord Dalhousie

Q.26 On 16 June 2025, during his visit to Nicosia, Prime Minister Narendra Modi received which distinction from Cyprus, named after its first President?

- Ans**
- 1. Grand Cross of the Order of Makarios IV
 - 2. Grand Collar of the Order of Makarios IV
 - 3. Grand Cross of the Order of Makarios III
 - 4. Grand Collar of the Order of Makarios III

Q.27 A concave lens has a focal length of 20 cm. An object is placed in front of the lens such that it forms a virtual image at 10 cm from the lens on the same side as the object. What is the magnification that the lens produces?

- Ans**
- 1. Magnification = 0.75
 - 2. Magnification = 0.66
 - 3. Magnification = 0.5
 - 4. Magnification = 0.33

Q.28 What is the full form of SGSY, a policy aimed at poverty alleviation in India?

- Ans**
- 1. Swachh Gram Swarozgar Yojana
 - 2. Swarna Jayanti Gram Samridhi Yojana
 - 3. Swabhimaan Gram Suraksha Yojana
 - 4. Swarnjayanti Gram Swarozgar Yojana

Q.29 Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

KH-MI-NP
MJ-OK-PR

- Ans**
- 1. PL-QN-RV
 - 2. OL-QM-RV
 - 3. OL-QM-RT
 - 4. PL-QM-RV

Q.30 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

CLAY - YLCA - LACY
BOWS - SOBW - OWBS

- Ans**
- 1. DENT - EDNT - TEND
 - 2. FROM - MRFO - ROFM
 - 3. FILE - EIFL - LIFE
 - 4. GEAR - GAER - RAEG

Q.31 If 'A' stands for '+', 'B' stands for '-', 'C' stands for 'x' and 'D' stands for '÷', what will come in place of the question mark (?) in the following equation?

8 C 7 B 24 D 8 A 5 = ?

- Ans**
- 1. 56
 - 2. 57
 - 3. 59
 - 4. 58

Q.32 The LCM of the numbers 5, 155 and 83 is:

- Ans**
- 1. 12425
 - 2. 12245
 - 3. 12685
 - 4. 12865

Q.33 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**
- 1. LCT
 - 2. IZQ
 - 3. SAI
 - 4. OFW

Q.34 Which of the following Directive Principles of State Policy is based on the Gandhian principles?

- Ans**
- 1. To organise village panchayat
 - 2. To secure equal pay for equal for men and women
 - 3. To promote international peace
 - 4. To secure the right to adequate means of livelihood

Q.35 A student adds dilute HCl to Calcium carbonate. Which of the following experimental observations confirms that a gas is evolved?

- Ans**
- 1. Pungent smell observed
 - 2. Solution turns pink
 - 3. Effervescence is seen
 - 4. Formation of white ppt

Q.36 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. U has an exam on Saturday. Only four people have an exam between T and S, neither of whom has an exam on Monday. V has an exam immediately after P and Q has an exam immediately before P. S has an exam after V. How many people have exams after T?

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

Q.37 In the following series, only one letter-cluster is incorrect. Select the INCORRECT letter-cluster.

DVN ASP XPH UME RJB OGY

- Ans**
- 1. RJB
 - 2. UME
 - 3. XPH
 - 4. ASP

Q.38 There are 80 students in a hostel. Due to new admissions, 30 new students join the mess, and the daily expense of the mess increases by ₹260, while the average expenditure per head diminishes by ₹10. What was the original daily expenditure (in ₹, rounded off to the nearest tens) of the mess?

- Ans**
- 1. 3,720
 - 2. 4,220
 - 3. 3,630
 - 4. 4,020

Q.39 Animals with high energy needs, like birds and mammals, have:

- Ans**
- 1. a three-chambered heart
 - 2. a single-chambered heart
 - 3. a two-chambered heart
 - 4. a four-chambered heart

Q.40 Which of the following options accurately describes how ASCII ensures backward compatibility with Unicode?

- Ans**
- 1. ASCII was revised to include all Unicode symbols beyond U+007F.
 - 2. ASCII uses 8-bit encoding identical to Unicode's full range.
 - 3. Unicode deprecated ASCII control characters entirely.
 - 4. Unicode's first 128 code points match the ASCII values exactly.

Q.41 During the reign of which emperor was the Hawa Mahal built in Jaipur?

- Ans**
- 1. Chandra Gupta Maurya
 - 2. Ashoka
 - 3. Sawai Pratap Singh
 - 4. Rana Pratap Singh

Q.42 Which HTTP status code indicates that a requested web page has been permanently moved to a new location?

- Ans**
- 1. 301
 - 2. 500
 - 3. 404
 - 4. 302

Q.43 Which of the following electron configurations is NOT possible according to the Bohr-Bury rules?

- Ans
- 1. 2, 8, 3
 - 2. 2, 8, 8, 1
 - 3. 2, 9, 7
 - 4. 2, 8, 5

Q.44 Find the simplified value of $24 - 3 \times 15 - 3 \times 17 - 3$.

- Ans
- 1. $\frac{1}{6120^3}$
 - 2. $\frac{1}{6108^3}$
 - 3. $\frac{1}{6084^3}$
 - 4. $\frac{1}{6144^3}$

Q.45 A value is increased by 10% and then increased by 20%. What is the net percentage increase?

- Ans
- 1. 31
 - 2. 33
 - 3. 30
 - 4. 32

Q.46 Container A contains 30 litres of pure milk costing ₹40 per litre, and container B contains 50 litres of pure milk costing ₹50 per litre. The entire contents are mixed together. By how much is the average cost per litre of the mixture more or less than the average cost per litre of container A's milk?

- Ans
- 1. ₹6.25 less
 - 2. ₹6.25 more
 - 3. ₹6.50 less
 - 4. ₹6.50 more

Q.47 Which among the following states launched a Clean Air Plan, India's first state-level clean air strategy grounded in scientific analysis and an airshed-based approach?

- Ans
- 1. Karnataka
 - 2. Kerala
 - 3. Uttar Pradesh
 - 4. Maharashtra

Q.48 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

8, 38
11, 53

- Ans
- 1. 14, 67
 - 2. 14, 68
 - 3. 15, 68
 - 4. 15, 67

Q.49 In a certain code, 'lion tiger cat' is coded as 'dz ph st', 'cat dog horse' is coded as 'lp jk st', and 'dog lion rat' is coded as 'ug ph jk'. What is the word 'tiger' coded as in that code? (All the codes are two letter coded only.)

- Ans
- 1. st
 - 2. dz
 - 3. ph
 - 4. jk

Q.50 Pure ghee costs ₹86/kg. After adulterating it with vegetable oil costing ₹43/kg, a dishonest shopkeeper sells the mixture at the rate of ₹80/kg, thereby making a profit of 60%. In what ratio does he mix the two?

- Ans
- 1. 11 : 34
 - 2. 3 : 38
 - 3. 7 : 36
 - 4. 6 : 41

Q.51 Each of A, B, C, D, E, F, and G has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. A has an exam on Tuesday. Exactly three people have exams between A and D. F's exam is immediately after G's exam. Only one person has an exam between B and F. C has an exam before both B and E. E does not have an exam on Saturday or Sunday. How many people have exams after C?

- Ans
- 1. 3
 - 2. 6
 - 3. 5
 - 4. 4

Q.52 What is the remainder when the smallest positive number that leaves a remainder of 5 upon division by each of 12, 15 and 20 is divided by 4?

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

Q.53 A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 37% less than what is written on it. Find his profit percentage.

- Ans
- 1. $58\frac{46}{63}\%$
 - 2. $64\frac{46}{63}\%$
 - 3. $63\frac{46}{63}\%$
 - 4. $60\frac{46}{63}\%$

Q.54 The value of $4^2 + \sqrt{6^2} - 5\sqrt{9} - 11$ is

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

Q.55 In August 2025, Union Minister Dr Jitendra Singh inaugurated which facility in Hyderabad, marking India's first of its kind?

- Ans**
- 1. India's first Animal Cloning and Biotechnology Laboratory
 - 2. India's first Veterinary Vaccine Research Institute
 - 3. India's first Animal Genome Sequencing Center
 - 4. India's first State-of-the-Art Animal Stem Cell Biobank and Laboratory

Q.56 This question is based on the following words.

GOT HER WAR FIT

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.57 Which of the following courts deals with civil cases of small pecuniary stake in India?

- Ans**
- 1. Court of Subordinate Judge
 - 2. Chief Judicial Magistrate
 - 3. Court of Munsiff
 - 4. Sessions Court

Q.58 In the following series, only one letter-cluster is incorrect. Select the INCORRECT letter-cluster.

SAI XFN CUM HPX MUC RZH

- Ans**
- 1. CUM
 - 2. RZH
 - 3. MUC
 - 4. HPQ

Q.59 On which of the following dates was the first session of the Rajya Sabha held?

- Ans**
- 1. 3 April 1950
 - 2. 26 November 1951
 - 3. 13 May 1952
 - 4. 26 November 1952

Q.60 In which country is the Inuvik port located, which is the gateway to Western Arctic?

- Ans**
- 1. Russia
 - 2. Greenland
 - 3. Canada
 - 4. Sweden

Q.61 A question is followed by two statements numbered I and II. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the most appropriate answer.

Question:

Six friends, B, C, D, E, F and G, are sitting in a straight line, facing north. Who among them is sitting at the extreme right end?

Statements:

(I) There are exactly four people sitting between B and E. G sits to the immediate right of E.

(II) F is an immediate neighbour of C. Exactly two people sit between B and C.

- Ans**
- 1. Data in statements I and II together are sufficient to answer the question.
 - 2. Data in statement I alone is sufficient to answer the question, while data in statement II is not.
 - 3. Data in statements I and II together are not sufficient to answer the question.
 - 4. Data in statement II alone is sufficient to answer the question, while data in statement I is not.

Q.62 Rash Behari Ghosh, a leader inclined towards the Moderate wing of the Indian National Congress, presided over which two Congress sessions?

- Ans**
- 1. Calcutta (1906) and Surat (1907)
 - 2. Surat (1907) and Madras (1908)
 - 3. Bombay (1885) and Madras (1887)
 - 4. Lahore (1909) and Calcutta (1911)

Q.63 What should come in place of the question mark (?) in the given series?

14, 25, 47, 80, 124, ?

- Ans**
- 1. 177
 - 2. 179
 - 3. 178
 - 4. 180

Q.64 Global Tiger Day, also known as International Tiger Day, is observed every year on which day?

- Ans**
- 1. 30 July
 - 2. 15 July
 - 3. 29 July
 - 4. 25 July

Q.65 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Five people P, Q, R, S and T are sitting in a row, all facing north. Who is sitting second from the left end?

Statements:

I. P is sitting to the immediate right of T. P is sitting to the immediate left of S.

II. Only T is sitting between P and Q.

- Ans**
- 1. Data in statement I alone is sufficient to answer the question while data in statement II is not
 - 2. Both statements I and II together are NOT sufficient to answer the question
 - 3. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
 - 4. Data in statement II alone is sufficient to answer the question while data in statement I is not

Q.66 The amount (in ₹) payable after 1 year on a principal of ₹10,000 at 6% per annum compounded half-yearly is:

- Ans**
- 1. 10,600
 - 2. 10,906
 - 3. 10,605
 - 4. 10,609

Q.67 In Slide Show, which option ensures that only a specific set of slides is played during an MS PowerPoint 2019 presentation without creating a new file?

- Ans
- 1. Use Custom Slide Show
 - 2. Show slides: From – To range
 - 3. Loop continuously until Esc
 - 4. Browsed at a kiosk

Q.68 From a bus depot, buses leave every 8 minutes and travel along a straight road at a speed of 24 km/hr. A traveller moving towards the depot along the same road meets the buses at regular intervals of 6 minutes. Find the speed of the traveller.

- Ans
- 1. 6 km/hr
 - 2. 5 km/hr
 - 3. 8 km/hr
 - 4. 3 km/hr

Q.69 As per data of 2011-2012 published in Niti Aayog Annual Report 2014-2015, which of the following states has the highest percentage of people below the poverty line?

- Ans
- 1. Chhattisgarh
 - 2. Bihar
 - 3. Jharkhand
 - 4. Arunachal Pradesh

Q.70 In which of the following states did the Indian Army conduct a high-altitude technology demonstration exercise named 'Divya Drishti' in July 2025?

- Ans
- 1. Arunachal Pradesh
 - 2. Kerala
 - 3. Uttarakhand
 - 4. Sikkim

Q.71 A, B, C, D, E and F have different heights. E is taller than exactly 4 people and F is shorter than exactly 4 people. D is shorter than A but taller than C. C is not the shortest. How many people are shorter than C?

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

Q.72 The main advantage of genetic variation in a population is to enhance:

- Ans
- 1. similarity
 - 2. disease susceptibility
 - 3. survival
 - 4. reproductive speed

Q.73 In a certain code, 'dogs bark loud' is coded as 'xl mn vc', 'cats and dogs' is coded as 'rs tp xl', and 'bark and play' is coded as 'mn rs wz'. What is the code for 'cats' in that code? (All codes are two-letter codes.)

- Ans
- 1. mn
 - 2. xl
 - 3. tp
 - 4. rs

Q.74 Ramanand spends 48% of his income on food, 25% on house rent, 12% on conveyance and 60% of the remaining on children's education. Find the percentage of his income left with him.

- Ans
- 1. 9%
 - 2. 6%
 - 3. 8.25%
 - 4. 9.98%

Q.75 Refer to the following letter, number, symbol series and answer the question. Counting to be done from left to right.

(Left) \$ T 1 & 9 Z 7 * A 0 # K @ N Z (Right)

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

- Ans
- 1. Two
 - 2. One
 - 3. Four
 - 4. None

Q.76 If ₹10,000 becomes ₹12,100 in 2 years at compound interest compounded annually, what is the annual percentage rate of compounding?

- Ans
- 1. 8
 - 2. 12
 - 3. 9
 - 4. 10

Q.77 Simplify the following.

$$\frac{4^3 \times 4^4 \times 2^4}{4^2 \times 8}$$

- Ans
- 1. 2055
 - 2. 2043
 - 3. 2039
 - 4. 2048

Q.78 The simple interest on a certain sum of money at 8% per annum for 3 years is ₹360 more than the simple interest on the same sum at 6% per annum for 3 years. Find the principal.

- Ans
- 1. ₹4,800
 - 2. ₹6,000
 - 3. ₹3,600
 - 4. ₹7,200

Q.79 What is the average of 6, 8, 10 and 12?

- Ans
- 1. 9
 - 2. 8
 - 3. 10
 - 4. 7

Q.80 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 conclusions logically follow(s) from the statements.

Statements:

No nail is a cutter.

All cutters are knives.

No cutter is a scissor.

Conclusions:

(I) No scissor is a knife.

(II) Some nails are knives.

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

Q.81 The progressive increase in pesticide concentration at successive trophic levels is termed as:

- Ans**
- 1. biodegradation
 - 2. biomagnification
 - 3. biotransformation
 - 4. bioaccumulation

Q.82 Evaluate the following.

$$\frac{5}{4} + \left(\frac{1}{1 + \frac{3}{7}} \right) - \frac{4}{3}$$

- Ans**
- 1. $\frac{27}{68}$
 - 2. $\frac{33}{64}$
 - 3. $\frac{41}{70}$
 - 4. $\frac{37}{60}$

Q.83 The radius of a right circular cone is 8 cm and its height is 15 cm. The total surface area of the cone is:

- Ans**
- 1. $184\pi \text{ cm}^2$
 - 2. $136\pi \text{ cm}^2$
 - 3. $200\pi \text{ cm}^2$
 - 4. $64\pi \text{ cm}^2$

Q.84 A boat travels downstream at a speed of 25 km/hr and upstream at a speed of 15 km/hr. What is the speed of the stream?

- Ans**
- 1. 4 km/hr
 - 2. 5 km/hr
 - 3. 6 km/hr
 - 4. 8 km/hr

Q.85 In the following series, only one letter-cluster is incorrect. Select the INCORRECT letter-cluster.

WOG ASK EWO IAS MEV QIA

- Ans
- 1. EWO
 - 2. MEV
 - 3. QIA
 - 4. IAS

Q.86 Laksh starts from point A and drives 7 km towards east. He then takes a right turn and drives 12 km. He takes a final left turn and drives 6 km and stops at point B. Vinod starts from point P, which is 16 km east of Point A, and drives 4 km towards east. He then takes a right turn and drives 12 km. He takes a final right turn and drives 3 km and stops at Point Q. What is the shortest distance between Point Q and Point B? (All turns are 90 degree turns only.)

- Ans
- 1. 5 km
 - 2. 6 km
 - 3. 3 km
 - 4. 4 km

Q.87 Eight people are sitting in two parallel rows containing 4 people each in such a way that there is equal distance between adjacent persons. In row 1, A, D, G and F are seated and all of them are facing south. In row 2, P, R, N and Z are seated and all of them are facing north. Thus, each person faces another person from the other row. Z sits third to the left of R. The one facing F is an immediate neighbour of R. A sits at some place to the right of F and is not facing P. D sits third to the right of G. Who amongst the following faces N?

- Ans
- 1. P
 - 2. G
 - 3. A
 - 4. Z

Q.88 What should come in place of the question mark (?) in the given series?

9, 25, 57, 105, 169, ?

- Ans
- 1. 248
 - 2. 247
 - 3. 249
 - 4. 250

Q.89 In the context of the Revolt of 1857, what did the General Service Enlistment Act of 1856 require of sepoys?

- Ans
- 1. Restriction on marrying without the permission of British officers
 - 2. Mandatory conversion of sepoys to Christianity before joining service
 - 3. Prohibition on wearing religious symbols such as caste marks or beards
 - 4. Compulsory overseas service, violating the religious beliefs of some sepoys

Q.90 If x is inversely proportional to y , and $y = 6$ when $x = 4$, find the value of x , when $y = 32$.

- Ans
- 1. $\frac{3}{4}$
 - 2. $\frac{15}{13}$
 - 3. $\frac{8}{23}$
 - 4. $\frac{19}{12}$

Q.91 In this question, a statement is given followed by two courses of action, numbered I and II. You must assume everything in the statement to be true, and on the basis of the information given in the statement, decide which of the given courses of action logically follow(s) for pursuing.

Statement:

Many students in rural schools fail to clear the basic reading and writing tests due to lack of trained teachers and poor infrastructure.

Courses of Action:

- I. Immediate recruitment and training of teachers should be carried out in rural areas.
- II. All students failing the tests should be expelled from schools to maintain quality.

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

Q.92 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 ::?

: NVS :: JRO : %

- Ans
- 1. # = MUR, % = KSP
 - 2. # = MUS, % = KSP
 - 3. # = MUR, % = KSO
 - 4. # = MUR, % = KRP

Q.93 In August 2025, researchers demonstrated that genetically engineered Escherichia coli (E. coli) bacteria can function as which of the following, directly interfacing with electronics?

- Ans
- 1. Self-powered chemical sensors
 - 2. Wireless energy storage units
 - 3. Microbial fuel cells for electricity generation
 - 4. Bio-fueled medical implants

Q.94 A shop offers three successive discounts of 10%, 15% and 20% on a product. Find the single equivalent discount percentage that would result in the same final price.

- Ans
- 1. 40.8%
 - 2. 45%
 - 3. 38.8%
 - 4. 42.8%

Q.95 Which of the following regions did the Shakas (Scythians) migrate from before entering India?

- Ans**
- 1. Southeast Asia
 - 2. Central Asia
 - 3. North Africa
 - 4. Western Europe

Q.96 What does Article 51A(b) emphasise?

- Ans**
- 1. Promoting national integration and unity
 - 2. Safeguarding public property
 - 3. Upholding and protecting the sovereignty of India
 - 4. Cherishing and following the noble ideals that inspired the national struggle for freedom

Q.97 The blood pressure recorded when the heart relaxes is called _____.

- Ans**
- 1. pulse
 - 2. systolic
 - 3. diastolic
 - 4. venous

Q.98 Which of the following were prominent leaders of the Extremist phase of the Indian National Movement, who emphasised Swadeshi, self-reliance, and direct action against British rule?

- Ans**
- 1. Raja Ram Mohan Roy, Ishwar Chandra Vidyasagar and MG Ranade
 - 2. Bipan Chandra Pal, Bal Gangadhar Tilak and Ashwini Kumar Dutt
 - 3. Surendranath Banerjee, Pherozeshah Mehta and Ananda Charlu
 - 4. Dadabhai Naoroji, Gopal Krishna Gokhale and MG Ranade

Q.99 What is the effect of using Ctrl + J in MS Word, and how is it distinct from Ctrl + Shift + J?

- Ans**
- 1. Both shortcuts justify text identically
 - 2. Ctrl + J centers text; Ctrl + Shift + J varies justification
 - 3. Ctrl + J left-aligns; Ctrl + Shift + J right-aligns
 - 4. Ctrl + J justifies text; Ctrl + Shift + J applies distributed justification where last line is also stretched

Q.100 The mean of three numbers is 15. If 2 is added to each of these numbers, what will be the new mean?

- Ans**
- 1. 17
 - 2. 16
 - 3. 18
 - 4. 15

Q.101 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$50 - 8 + 2 \div 6 \times 4 = ?$$

- Ans**
- 1. 56
 - 2. 54
 - 3. 57
 - 4. 55

Q.102 Which statutory body, established during the first phase of the Green Revolution, deals with food grains and supply chain management in India?

- Ans**
- 1. Food Corporation of India
 - 2. Food and Agriculture Organization
 - 3. Food Stack Portal
 - 4. Agricultural and Processed Food Products Export Development Authority

Q.103 Which statement is correct about neutrons?

- Ans**
- 1. They have positive charge.
 - 2. They are heavier than protons.
 - 3. They are neutral.
 - 4. They have negative charge.

Q.104 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 conclusions logically follow(s) from the statements.

Statements:

All parks are meadows.
All meadows are forests.
Some forests are gardens.

Conclusions:

(I): Some parks are gardens.
(II): Some meadows are gardens.

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

Q.105 In August 2025, which of the following organisations released the Framework for Responsible and Ethical Enablement of Artificial Intelligence (FREE-AI) Committee Report, outlining 7 guiding principles for responsible AI use in the financial sector?

- Ans**
- 1. NITI Aayog
 - 2. Ministry of Finance
 - 3. Reserve Bank of India (RBI)
 - 4. Securities and Exchange Board of India (SEBI)

Q.106 What should come in place of the question mark (?) in the given series?

4 4 12 60 420 ?

- Ans**
- 1. 3720
 - 2. 3760
 - 3. 3780
 - 4. 3740

Q.107 If an Age Pyramid has a wide base and is tapering rapidly upwards, what does it indicate?

- Ans**
- 1. Non-stationary population
 - 2. Stationary population
 - 3. Progressive population
 - 4. Regressive population

Q.108 Simplify: $0.5 + 0.2 \times 4.8 \div (2.4 \div 1.2) - 0.90 \div 2$

- Ans
- 1. 0.53
 - 2. 0.51
 - 3. 0.50
 - 4. 0.52

Q.109 In a certain code language,
A + B means 'A is the mother of B'
A - B means 'A is the brother of B'
A x B means 'A is the wife of B'
A ÷ B means 'A is the father of B'

Which of the following means that S is daughter of P?

- Ans
- 1. $P \times Q \div R - S + T$
 - 2. $P \times Q + R + S - T$
 - 3. $P \times Q + R - S \div T$
 - 4. $P - Q \div R \times S + T$

Q.110 What was one of the reasons for including Fundamental Duties in the Constitution according to HR Gokhale?

- Ans
- 1. To address anti-national activities and subversive agitations
 - 2. To strengthen democracy by balancing rights with duties
 - 3. To create a legal framework for taxes
 - 4. To enhance the rights of citizens

Q.111 9 is related to 55 following a certain logic. Following the same logic, 12 is related to 73. To which of the given options is 16 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 to/subtracting from/multiplying with 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. 98
 - 2. 99
 - 3. 96
 - 4. 97

Q.112 Which of the following statements is INCORRECT about the Kumbh Mela?

- Ans
- 1. The Kumbh Mela is held in Haridwar on the banks of the Ganges.
 - 2. The Kumbh Mela is held in Nasik on the banks of Godavari.
 - 3. The Kumbh Mela is held in Ujjain on the banks of Narmada.
 - 4. The Kumbh Mela is held in Prayagraj on the banks of the Ganges.

Q.113 Which of the following ratios is greatest?

- Ans
- 1. 43 : 76
 - 2. 38 : 51
 - 3. 22 : 61
 - 4. 30 : 74

Q.114 India is divided into _____ agroclimatic regions.

- Ans
- 1. 12
 - 2. 15
 - 3. 14
 - 4. 11

Q.115 India shares its land boundaries with seven countries. Which of the following does NOT share a direct land boundary with India?

- Ans
- 1. Myanmar
 - 2. Pakistan
 - 3. Bhutan
 - 4. Tajikistan

Q.116 If you have three variables—X, Y and Z—and want to display X vs Y and represent Z through marker size on a chart, which chart type is most appropriate in MS Excel?

- Ans
- 1. Area Chart
 - 2. Bubble Chart
 - 3. Scatter Chart
 - 4. Line Chart

Q.117 A person covers certain distance in 13 hours at a speed of 3 km/hr and some more distance in 15 hours at a speed of 6 km/hr. Find his average speed for the entire distance covered.

- Ans
- 1. $4\frac{17}{28}$ km/hr
 - 2. $11\frac{17}{28}$ km/hr
 - 3. $8\frac{17}{28}$ km/hr
 - 4. $5\frac{17}{28}$ km/hr

Q.118 Who among the following laid the foundation of the Kanva dynasty?

- Ans
- 1. Vasudeva
 - 2. Menander
 - 3. Rudradaman
 - 4. Pushyamitra

Q.119 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$60 + 15 \div 3 - 10 \times 2 = ?$$

- Ans
- 1. 21
 - 2. 20
 - 3. 22
 - 4. 19

Q.120 The Third United Nations Conference on Landlocked Developing Countries (LLDC3) opened on 5 August 2025 in which country?

- Ans
- 1. Turkmenistan
 - 2. Kazakhstan
 - 3. Kyrgyzstan
 - 4. Uzbekistan