



रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS
सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024



Exam Date	02/03/2025
Centre Name	ION Digital Zone iDZ Atchutapuram
Exam Time	12:30 PM - 2:00 PM

* 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 : Arithmetic

Q.1 Find the reciprocal of the sum of the reciprocals of the given numbers.

Ans

$$\frac{2}{5}, \frac{5}{4}, \frac{6}{8}, \frac{6}{5}, \frac{9}{6}$$

☒ 1. $\frac{82}{15}$

☒ 2. $\frac{62}{15}$

☒ 3. $\frac{92}{15}$

☒ 4. $\frac{72}{15}$

Q.2 The sum of 8 numbers is 804. Find out the average.

Ans

☒ 1. 101.5

☒ 2. 100.5

☒ 3. 99.5

☒ 4. 98.5

Q.3 Evaluate: $41 - [36 - \{48 \div 2 - (6 - 12 \div 2) \div 2\}]$

Ans

☒ 1. 29

☒ 2. 30

☒ 3. 31

☒ 4. 28

Q.4

Find the value of $\left[\left(\frac{7}{6}\right)^{-9} \times \left(\frac{6}{7}\right)^{-5} \times \left(\frac{1}{8}\right)^{-4} \right]^{-5}$

Ans

☒ 1. $\left(\frac{7}{48}\right)^{20}$

☐ 2. $\left(\frac{9}{48}\right)^{19}$

☐ 3. $\left(\frac{48}{7}\right)^{22}$

☐ 4. $\left(\frac{7}{58}\right)^{20}$

Q.5 In what ratio should sugar costing ₹84 per kg be mixed with sugar costing ₹59 per kg so that by selling the mixture at ₹73.7 per kg, there is a profit of 10%?

Ans

☐ 1. 6 : 18

☒ 2. 8 : 17

☐ 3. 7 : 19

☐ 4. 6 : 15

Q.6 How many numbers up to 310 are divisible by 8?

Ans

☒ 1. 38

☐ 2. 39

☐ 3. 37

☐ 4. 32

Q.7 A milkman professes to sell his milk at cost price but he mixes it with water and thereby gains 40%. Find the percentage of water in the mixture (rounded to one decimal place).

Ans

☒ 1. 28.6%

☐ 2. 27%

☐ 3. 27.5%

☐ 4. 28%

Q.8 2% of 5% of a number is what percentage of that number?

Ans

☒ 1. 0.1

☐ 2. 10

☐ 3. 7

☐ 4. 0.01

Q.9 Find the surface area of a sphere whose diameter is equal to 88 cm.

Ans

☐ 1. $6757\pi \text{ cm}^2$

☒ 2. $7744\pi \text{ cm}^2$

☐ 3. $7269\pi \text{ cm}^2$

☐ 4. $7261\pi \text{ cm}^2$

Q.10 A 646 m long train crosses a man walking at a speed of 4.5 km/h in the opposite direction in 24 seconds. What is the speed (in km/h) of the train?

- Ans**
- ☐ 1. 89.3
 - ☐ 2. 91.1
 - ☒ 3. 92.4
 - ☐ 4. 96.8

Q.11 A man riding on a bicycle at a speed of 21 km/h crosses a bridge in 6 minutes. Find the length of the bridge?

- Ans**
- ☐ 1. 5.1 km
 - ☐ 2. 4.5 km
 - ☒ 3. 2.1 km
 - ☐ 4. 6.1 km

Q.12 A number 30000 is increased successively by 10%, 20% and 30%. Find the overall increase in percentage.

- Ans**
- ☐ 1. 65.6%
 - ☒ 2. 71.6%
 - ☐ 3. 61.6%
 - ☐ 4. 75.6%

Q.13 Nirmal bought 52 books for Rs 1130 from one shop and 47 books for Rs 900 from another. What is the average price (in Rs) he paid per book ?

- Ans**
- ☐ 1. 1010.81
 - ☐ 2. 1030.81
 - ☒ 3. 1020.81
 - ☐ 4. 1035.81

Q.14 Find the area (in cm^2) of a rhombus whose diagonals are of lengths 47 cm and 48 cm.

- Ans**
- ☐ 1. 1028
 - ☐ 2. 1100
 - ☒ 3. 1128
 - ☐ 4. 1116

Q.15 A merchant permits a 24% discount on his advertised price and then makes a profit of 20%. What is the advertised price on which he gains ₹76?

- Ans**
- ☒ 1. ₹600
 - ☐ 2. ₹480
 - ☐ 3. ₹560
 - ☐ 4. ₹650

Q.16 A 275 m long train overtakes a man moving at a speed of 6 km/h (in same direction) in 45 seconds. How much time (in seconds) will it take this train to completely cross another 280 m long train, moving in the opposite direction at a speed of 26 km/h?

- Ans**
- ☒ 1. 37
 - ☐ 2. 28
 - ☐ 3. 24
 - ☐ 4. 44

Q.17 In a race, an athlete covers a distance of 372 m in 186 sec in the first lap. He covers the second lap of the same length in 62 sec. What is the average speed (in m/sec) of the athlete?

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

Q.18 There are 9306 students in a school and the ratio of boys to girls in the school is 41 : 25, then find the number of boys in school.

- Ans**
- ☒ 1. 5781
 - ☐ 2. 5774
 - ☐ 3. 5766
 - ☐ 4. 5785

Q.19 A shopkeeper allows his customers 8% off on the marked price of goods and still gets a profit of 19.6%. What is the actual cost of an article marked ₹5,200?

- Ans**
- ☐ 1. ₹4,500
 - ☐ 2. ₹4,350
 - ☒ 3. ₹4,000
 - ☐ 4. ₹4,150

Q.20 After 63 litres of petrol was poured into an empty storage tank, it was still 1% empty. How much petrol (in litres, rounded off to two decimal place) must be poured into the storage tank in order to fill it?

- Ans**
- ☐ 1. 62.64
 - ☒ 2. 63.64
 - ☐ 3. 64
 - ☐ 4. 64.64

Q.21 The average of first 103 even numbers is

- Ans**
- ☐ 1. 104.5
 - ☐ 2. 105
 - ☒ 3. 104
 - ☐ 4. 103.5

Q.22 An amount of ₹50,000 would become ₹ _____ at 20% per annum compound interest, compounded annually, in 4 years.

- Ans**
- ☒ 1. 1,03,680
 - ☐ 2. 1,06,380
 - ☐ 3. 1,00,638
 - ☐ 4. 1,08,630

Q.23 Abhay and Bharat can complete a certain piece of work in 17 and 10 days, respectively. They started to work together, and after 3 days, Bharat left. In how many days will Abhay complete the remaining work?

Ans

☐ 1. $\frac{1513}{172}$

☒ 2. $\frac{1513}{170}$

☐ 3. $\frac{1511}{170}$

☐ 4. $\frac{1515}{171}$

Q.24 Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. David borrowed an amount of ₹480000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by David after 4 years.

Ans

☒ 1. 48000

☐ 2. 49000

☐ 3. 47500

☐ 4. 49500

Q.25 Simplify $(\frac{2}{3} \times \frac{6}{5}) + (\frac{12}{25} \times \frac{20}{3})$.

Ans

☐ 1. $\frac{12}{5}$

☐ 2. 3

☒ 3. 4

☐ 4. $\frac{3}{5}$

Q.26 The dimensions of a rectangular solid are 41 cm × 40 cm × 9 cm. What is its surface area (in cm²)?

Ans

☐ 1. 4,788

☒ 2. 4,738

☐ 3. 4,733

☐ 4. 4,783

Q.27 The value of

$$9^3 - 2^2 + \left(\frac{38}{19}\right)^2 - 8 + 2 \times 9 = \underline{\hspace{2cm}}$$

Ans

☐ 1. 742

☐ 2. 743

☒ 3. 739

☐ 4. 744

Q.28 On an item with marked price ₹180, 15% discount and a cashback of ₹25 is offered. The selling price of the item is ₹_____.

Ans

☒ 1. 128

☐ 2. 135

☐ 3. 120

☐ 4. 142

Q.29 Find the largest number which divides 203, 359, 437 and 593 leaving remainder 8 in each case.

- Ans**
- ☐ 1. 47
 - ☒ 2. 39
 - ☐ 3. 23
 - ☐ 4. 12

Q.30 P can do a piece of work in 48 days, which Q can do in 18 days. Q worked at it for 15 days. P can finish the remaining work in:

- Ans**
- ☐ 1. 9 days
 - ☒ 2. 8 days
 - ☐ 3. 6 days
 - ☐ 4. 3 days

Q.31 A shopkeeper sold his goods at half the list price and thus lost 14%. If he had sold them at the listed price, his gain percentage would be ____.

- Ans**
- ☐ 1. 86%
 - ☐ 2. 36%
 - ☐ 3. 14%
 - ☒ 4. 72%

Q.32 A can do a piece of work in 10 days. B can do it in 15 days. With the assistance of C, they completed the work in 2 days. C alone can do it in _____ days.

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

Q.33 Find the compound interest on ₹80,000 at 10% per annum for 2 years, compounded annually.

- Ans**
- ☐ 1. ₹20,800
 - ☐ 2. ₹18,800
 - ☐ 3. ₹22,800
 - ☒ 4. ₹16,800

Q.34 A gardener has 1826 red flowers and 2486 yellow flowers. He wants to arrange them into the largest possible equal groups such that each group has the same number of red and yellow flowers. What is the maximum number of flowers in each group?

- Ans**
- ☐ 1. 11
 - ☒ 2. 22
 - ☐ 3. 33
 - ☐ 4. 10

Q.35 A company earns a profit (in ₹) that is distributed among the company's three partners in the ratio of 10 : 4 : 13. If the difference between the smallest and the largest shares is ₹30545, the total profit (in ₹) of the company is:

- Ans**
- ☐ 1. 91550
 - ☐ 2. 91552
 - ☒ 3. 91635
 - ☐ 4. 91613

Q.36 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 hens are mangoes.

All hens are shrimps.

All ducks are shrimps.

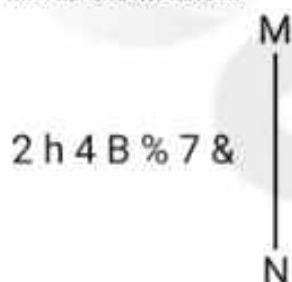
Conclusions:

(I): All ducks are mangoes.

(II): Some shrimps are mangoes.

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

Q.37 Select the correct mirror image of the given combination when the mirror is placed at 'MN' as shown below.



- Ans**
- ☐ 1. & 7 % B 4 h 2
 - ☐ 2. & 7 % B 4 h 2
 - ☐ 3. & 7 % B 4 h 2
 - ☒ 4. & 7 % B 4 h 2

Q.38 What should come in place of '?' in the given series?

$$\frac{11}{3}, \frac{19}{5}, \frac{14}{3}, \frac{22}{5}, \frac{17}{3}, 5, ?$$

- Ans**
- ☐ 1. $\frac{31}{5}$
 - ☐ 2. $\frac{23}{3}$
 - ☐ 3. $\frac{28}{5}$
 - ☒ 4. $\frac{20}{3}$

Q.39 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KEY 4, PJD 10, UOI 22, ZTN 46, EYS 94, ?

- Ans**
- ☒ 1. JDX 190
 - ☐ 2. JDX 191
 - ☐ 3. JKX 190
 - ☐ 4. KDX 190

Q.40 In a certain code language,
'A : B' means 'A is the wife of B',
'A × B' means 'A is the brother of B',
'A < B' means 'A is the father of B' and
'A + B' means 'A is the mother of B'.

How is B related to J if 'B : D < F + H × J'?

- Ans
- ☒ 1. Mother's daughter
 - ☒ 2. Mother's mother
 - ☒ 3. Mother's brother
 - ☒ 4. Mother's father

Q.41 Refer to the following series and answer the question (all numbers are single digit numbers only).

(Left) 4 2 1 5 7 9 8 7 3 4 3 5 6 2 1 5 1 5 2 8 5 6 9 7 4 7 3 (Right)

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

- Ans
- ☒ 1. 7
 - ☒ 2. 6
 - ☒ 3. 5
 - ☒ 4. 4

Q.42 What will come in the place of '?' in the following equation, if '-' and '+' are interchanged and '×' and '÷' are interchanged?
 $55 \div 25 - 5 + 15 \times 10 = ?$

- Ans
- ☒ 1. 10
 - ☒ 2. -25
 - ☒ 3. -10
 - ☒ 4. -20

Q.43 What will come in the place of the question mark (?) in the following equation if '+' and '÷' are interchanged and '-' and '×' are interchanged?
 $11 \div 9 + 3 - 6 \times 8 = ?$

- Ans
- ☒ 1. 30
 - ☒ 2. 155
 - ☒ 3. 21
 - ☒ 4. 15

Q.44 In a certain code language, 'TALE' is coded as '1934' and 'LAST' is coded as '2349'.
What is the code for 'S' in the given code language?

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

Q.45 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

NVM QYQ TBU WEY ?

- Ans
- ☒ 1. ZHC
 - ☒ 2. CHZ
 - ☒ 3. HZC
 - ☒ 4. ZCH

Q.46 CFTQ is related to EDVO in a certain way based on the English alphabetical order. In the same way, HORX is related to JMTV. To which of the given options is JWQS related, following the same logic?

- Ans**
- ☒ 1. LUSQ
 - ☐ 2. LVSQ
 - ☐ 3. LTTQ
 - ☐ 4. LVTR

Q.47 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. MMQ
 - ☐ 2. HHL
 - ☒ 3. GGJ
 - ☐ 4. TTX

Q.48 FINX is related to GKOV in a certain way based on the English alphabetical order. In the same way, JQRP is related to KSSN. To which of the following is MWUJ related, following the same logic?

- Ans**
- ☐ 1. PYNH
 - ☒ 2. NYVH
 - ☐ 3. JYNG
 - ☐ 4. KMNB

Q.49 Ajay starts from Point A and drives 6 km towards the east. He then takes a left turn, drives 7 km, turns left and drives 8 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)

- Ans**
- ☐ 1. 4 km to the south
 - ☐ 2. 3 km to the south
 - ☒ 3. 2 km to the north
 - ☐ 4. 1 km to the north

Q.50 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some phones are tablets.
Some tablets are scanners.
All scanners are cameras.

Conclusions:

(I) Some cameras are tablets.
(II) All cameras are phones.

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

Q.51 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. SDO
 - ☐ 2. FQB
 - ☐ 3. HSD
 - ☒ 4. QBK

Q.52 What should come in place of the question mark (?) in the given series?

10 26 74 154 266 ?

- Ans**
- ☐ 1. 336
 - ☒ 2. 410
 - ☐ 3. 363
 - ☐ 4. 401

Q.53 In a row of people all facing North, Harry is 8th from the right end. Ben is 19th from the right end. Ben is exactly between Harry and Loin. If Loin is 7th from the left end of the line, how many people are there in the row?

- Ans**
- ☒ 1. 36
 - ☐ 2. 34
 - ☐ 3. 37
 - ☐ 4. 35

Q.54 What should come in place of the question mark (?) in the given series?

29, 33, 41, 53, 69, ?

- Ans**
- ☒ 1. 89
 - ☐ 2. 85
 - ☐ 3. 91
 - ☐ 4. 87

Q.55 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 walnuts are keys.

No walnut is a sun.

All suns are apples.

Conclusions:

(I): No apple is a key.

(II): Some apples are walnuts.

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

Q.56 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(10, 12, 11)
(14, 18, 16)

- Ans**
- ☒ 1. (5, 15, 10)
 - ☐ 2. (9, 8, 16)
 - ☐ 3. (8, 7, 10)
 - ☐ 4. (10, 15, 12)

Q.57 Seven friends C, D, E, P, Q, R and S are sitting around a circular table facing the centre of the table. Only three people sit between P and C when counted from the right of C. Only three people sit between R and D when counted from the right of D. E sits to the immediate right of R. S is an immediate neighbour of D as well as C. How many people sit between S and Q when counted from the right of S?

- Ans**
- ☐ 1. Two
 - ☒ 2. One
 - ☐ 3. Three
 - ☐ 4. None

Q.58 In a certain code language, 'GLAM' is coded as '8943' and 'LAMP' is coded as '9847'. What is the code for 'P' in the given code language?

- Ans**
- ☐ 1. 8
 - ☒ 2. 7
 - ☐ 3. 4
 - ☐ 4. 9

Q.59 In a certain code language,
'A ? B' means 'A is the wife of B',
'A × B' means 'A is the brother of B',
'A : B' means 'A is the father of B' and
'A – B' means 'A is the son of B'.

How is L related to M if 'E – G ? L : K × M'?

- Ans**
- ☒ 1. Father
 - ☐ 2. Brother
 - ☐ 3. Mother
 - ☐ 4. Son

Q.60 A, F, J, K, P and Q 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. F lives on an even numbered floor but not on floor number 4. Only two people live between F and K. J lives on an odd numbered floor but not on the lowermost floor. Only two people live between J and Q. A lives immediately below J. How many people live between P and A?

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

Q.61 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

NQ27 MP38 LO49 KN60 ?

- Ans**
- ☒ 1. JM71
 - ☐ 2. JN72
 - ☐ 3. JM72
 - ☐ 4. JN71

Q.62 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) @ 3 5 9 ^ % 4 \$ \ @ 4 \ \$ < < 6 > / 8 < & (Right)

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

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

Q.63 Seven friends C, D, E, P, Q, R and S are sitting around a circular table facing the centre of the table. Only R sits between D and S. S sits third to the left of P. C sits to the immediate left of P. E is not an immediate neighbour of S. How many people sits between Q and E when counted from the right of E?

- Ans**
- ☐ 1. One
 - ☒ 2. Three
 - ☐ 3. None
 - ☐ 4. Two

Q.64 Varun starts from Point A and drives 7 km towards north. He then takes a left turn, drives 4 km, turns left and drives 9 km. He then takes a left turn and drives 8 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 3 km to the east
 - ☐ 2. 4 km to the east
 - ☐ 3. 3 km to the west
 - ☒ 4. 4 km to the west

Q.65 A, B, C, D, E, F and G are sitting around a circular table facing the centre. C sits second to the left of F. G is an immediate neighbour of both A and E. A is an immediate neighbour of F. B sits to the immediate right of E. How many people sit between B and F when counted from the right of F?

- Ans**
- ☐ 1. 1
 - ☐ 2. 0
 - ☒ 3. 3
 - ☐ 4. 2

Q.66 Refer to the following series and answer the question (all numbers are single digit numbers only).

(Left) 3 5 2 3 4 3 1 5 7 9 5 8 5 7 5 4 2 3 6 2 1 3 7 6 9 7 4 (Right)

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

- Ans**
- ☐ 1. 4
 - ☐ 2. 0
 - ☐ 3. 3
 - ☒ 4. 1

Q.67 What will come in the place of '?' in the following equation, if '-' and 'x' are interchanged and '+' and '÷' are interchanged?
 $99 + 33 - 28 \times 32 \div 10 = ?$

- Ans
- ☒ 1. 62
 - ☐ 2. 72
 - ☐ 3. 52
 - ☐ 4. 36

Q.68 MNJL is related to RSOQ in a certain way based on the English alphabetical order. In the same way, KLHJ is related to PQMO. To which of the following is GHDF related, following the same logic?

- Ans
- ☐ 1. MLIK
 - ☒ 2. LMIK
 - ☐ 3. LMKI
 - ☐ 4. MLKI

Q.69 In a certain code language, 'FROG' is coded as '1869' and 'GROW' is coded as '6419'. What is the code for 'W' in the given code language?

- Ans
- ☒ 1. 4
 - ☐ 2. 6
 - ☐ 3. 1
 - ☐ 4. 9

Q.70 Select the correct mirror image of the given combination when the mirror is placed at 'MN' as shown below.



- Ans
- ☒ 1. 9 q 8 4 w 0
 - ☐ 2. p e 8 4 w 0
 - ☐ 3. 9 q 8 4 w G
 - ☐ 4. 9 q 8 4 w 0

Section : General Awareness

Q.71 What is the inflation projection for FY25 as retained by the RBI in its Monetary Policy Committee (MPC) meeting held in October 2024?

- Ans
- ☐ 1. 7%
 - ☒ 2. 4.5%
 - ☐ 3. 6%
 - ☐ 4. 7.2%

Q.72 Ziegler-Natta catalyst is used for _____.

- Ans
- ☒ 1. Polymerisation reaction
 - ☐ 2. Reduction reaction
 - ☐ 3. Substitution reaction
 - ☐ 4. Elimination reaction

Q.73 The 'Uttarayani Fair' of Uttarakhand is related to the Indian festival of _____.

- Ans**
- ☐ 1. Dussehra
 - ☒ 2. Makar Sankranti
 - ☐ 3. Maha Shivratri
 - ☐ 4. Diwali

Q.74 Which of the following quantities remains conserved for a system which is subjected to a conservative force?

- Ans**
- ☐ 1. Total kinetic energy
 - ☒ 2. Total mechanical energy
 - ☐ 3. Total potential energy
 - ☐ 4. Total linear momentum

Q.75 To promote Inland Water Transport (IWT) in the country, _____ waterways have been declared as National Waterways (NWs) under the National Waterways Act, 2016.

- Ans**
- ☐ 1. 100
 - ☐ 2. 201
 - ☐ 3. 117
 - ☒ 4. 111

Q.76 Article 45 (concerning child education) was modified by which of the following Constitutional Amendment Acts?

- Ans**
- ☐ 1. 44th Amendment
 - ☐ 2. 73rd Amendment
 - ☒ 3. 86th Amendment
 - ☐ 4. 42nd Amendment

Q.77 Which of the following is the death anniversary of Sufi saints usually held at the respective saint's dargah or shrine?

- Ans**
- ☐ 1. Eid al-Adha
 - ☐ 2. Eid al-Fitr
 - ☐ 3. Muharram
 - ☒ 4. Urs

Q.78 Which strategy, widely adopted in India's early economic planning, aimed to reduce foreign dependence and was a significant feature of industrial policy?

- Ans**
- ☐ 1. Export Promotion
 - ☐ 2. Liberalisation
 - ☒ 3. Import Substitution
 - ☐ 4. Globalisation

Q.79 At the time of Independence, what was the major characteristic of India's economy?

- Ans**
- ☐ 1. Highly industrialised
 - ☐ 2. Fully developed
 - ☒ 3. Predominantly agrarian
 - ☐ 4. Completely urbanised

Q.80 In 1917, which Irish woman along with Annie Besant and Sarojini Naidu founded the Women's Indian Association (WIA) in Adyar, Madras, to bring awareness among women?

- Ans**
- ☐ 1. Eilish Cousins
 - ☒ 2. Margaret Cousins
 - ☐ 3. Tierney Cousins
 - ☐ 4. Myrna Cousins

Q.81 Which of the following directive principles of state policy is NOT provided by the Indian Constitution for its citizens?

- Ans**
- ☐ 1. Ownership of the community material resources not distributed
 - ☐ 2. Protection of children and youth against exploitation
 - ☒ 3. Adequate means of livelihood
 - ☐ 4. Equal pay for equal work

Q.82 Which major river divides the Peninsular Plateau into two parts?

- Ans**
- ☒ 1. Narmada
 - ☐ 2. Krishna
 - ☐ 3. Ganga
 - ☐ 4. Godavari

Q.83 Which of the following is the SI unit used for measuring thermodynamic temperature?

- Ans**
- ☐ 1. Rankine
 - ☐ 2. Fahrenheit
 - ☐ 3. Celsius
 - ☒ 4. Kelvin

Q.84 Which of the following is a government programme meant to reduce poverty in India?

- Ans**
- ☐ 1. Make in India
 - ☒ 2. NRLM
 - ☐ 3. Green Revolution
 - ☐ 4. Digital India

Q.85 As of October 2024, the cash reserve ratio (CRR) in India is _____.

- Ans**
- ☒ 1. 4.5%
 - ☐ 2. 6.5%
 - ☐ 3. 10%
 - ☐ 4. 7.8%

Q.86 Which of the following conducts the election of state legislatures?

- Ans**
- ☒ 1. Election Commission of India
 - ☐ 2. Parliament of India
 - ☐ 3. State Election Commission of the concerned State
 - ☐ 4. NITI Aayog

Q.87 Which area is NOT a focus of the agreements signed by India under the Indo-Pacific Economic Framework (IPEF) for Prosperity in September 2024?

- Ans**
- ☒ 1. Military Cooperation
 - ☐ 2. IPEF Overarching arrangement
 - ☐ 3. Clean Economy
 - ☐ 4. Fair Economy

Q.88 What milestone did the National Stock Exchange (NSE) of India achieve in October 2024?

- Ans**
- ☒ 1. 20 crore client codes
 - ☐ 2. 3 crore mobile trading app downloads
 - ☐ 3. 10 crore unique investors
 - ☐ 4. 16.9 crore client codes

Q.89 Who took over as the 51st Chief Justice of India on 11 November 2024?

- Ans**
- ☐ 1. Justice DY Chandrachud
 - ☐ 2. Justice VK Bist
 - ☐ 3. Justice Bhushan Ramkrishna Gavai
 - ☒ 4. Justice Sanjiv Khanna

Q.90 What is poverty?

- Ans**
- ☐ 1. Having a large population
 - ☒ 2. Inability to fulfill basic needs like food, clothing and shelter
 - ☐ 3. Lack of employment opportunities
 - ☐ 4. Lack of education

Q.91 Which of the following locations holds the significance of being the headquarters of the South Central Zone of the Indian Railways?

- Ans**
- ☒ 1. Secunderabad
 - ☐ 2. Hubli
 - ☐ 3. Bilaspur
 - ☐ 4. Chennai

Q.92 The M72/AS01E vaccine candidate launched in 2024 almost after a century of BCG vaccine discovery is effective against which of the following diseases?

- Ans**
- ☐ 1. Malaria
 - ☐ 2. COVID-19
 - ☐ 3. HIV
 - ☒ 4. Tuberculosis

Q.93 In 2024, India unveiled four Air Force pilots shortlisted for its maiden Gaganyaan mission. What is the primary objective of the mission?

- Ans**
- ☐ 1. To establish a space station
 - ☒ 2. To send astronauts into space and bring them back
 - ☐ 3. To send a satellite into orbit
 - ☐ 4. To land on the Moon

Q.94 In the Summer Olympics 2024, who became the first Indian to win two medals in a single Olympics post-Independence?

- Ans**
- ☐ 1. Swapnil Kusale
 - ☐ 2. Aman Sehrawat
 - ☒ 3. Manu Bhaker
 - ☐ 4. Neeraj Chopra

Q.95 LIC increased its stake in Bank of Maharashtra to 7.10% by acquiring 25.96 crore shares at what price through QIP in October 2024?

- Ans**
- ☐ 1. ₹65.36
 - ☐ 2. ₹50.25
 - ☐ 3. ₹60.63
 - ☒ 4. ₹57.36

Q.96 The unit of magnetisation is _____.

- Ans**
- ☒ 1. ampere/metre
 - ☐ 2. tesla
 - ☐ 3. weber/metre
 - ☐ 4. weber

Q.97 In September 2024, which of the following countries unveiled all new and powerful suicide drone 'Shahed-136B' during its annual military parade?

- Ans**
- ☐ 1. Oman
 - ☒ 2. Iran
 - ☐ 3. Qatar
 - ☐ 4. Bahrain

Q.98 Who built the temple for goddess Nishumbhasudini?

- Ans**
- ☐ 1. Rajaraja Chola I
 - ☐ 2. Parantaka Chola I
 - ☐ 3. Karikala Chola
 - ☒ 4. Vijayalaya

Q.99 What is the distance between rails in broad gauge on the basis of width of the track of Indian Railways?

- Ans**
- ☒ 1. 1.676 metre
 - ☐ 2. 1.000 metre
 - ☐ 3. 0.762 metre
 - ☐ 4. 2.000 metre

Q.100 When did Swami Vivekananda propagate the real philosophy and culture of India to the world at the Parliament of the World's Religions in Chicago?

- Ans**
- ☐ 1. 1853
 - ☐ 2. 1873
 - ☒ 3. 1893
 - ☐ 4. 1883

Q.101 Omni Active Health Technologies acquired ENovate Biolife in 2024. What is ENovate Biolife known for?

- Ans**
- ☒ 1. Botanical health solutions
 - ☐ 2. Medical devices
 - ☐ 3. AI health tech
 - ☐ 4. Genetically engineered ingredients

Q.102 Which of the following Constitutional Amendment Acts added the 10th Schedule to the Indian Constitution?

- Ans**
- ☒ 1. 52nd Amendment Act
 - ☐ 2. 61st Amendment Act
 - ☐ 3. 64th Amendment Act
 - ☐ 4. 48th Amendment Act

Q.103 What was the name of the Captain of the Awadh Military Police who had been given protection by his Indian subordinates during the mutiny of 1857?

- Ans**
- ☒ 1. Captain Hearsey
 - ☐ 2. Captain Auckland
 - ☐ 3. Captain Savarkar
 - ☐ 4. Captain Outram

Q.104 Citrus fruits, which are essential components of a kitchen, contain Vitamin C. Vitamin C is also known as ____.

- Ans**
- ☒ 1. ascorbic acid
 - ☐ 2. folic acid
 - ☐ 3. lactic acid
 - ☐ 4. citric acid

Q.105 What is the average annual rainfall in India, as per the India Meteorological Department, 2021?

- Ans**
- ☐ 1. 57 cm
 - ☐ 2. 517 cm
 - ☒ 3. 119 cm
 - ☐ 4. 257 cm

Q.106 The southern branch of which of the following jet streams (high winds) plays an important role in the winter season in north and northwestern India?

- Ans**
- ☐ 1. Tropical Easterly Jet Stream
 - ☐ 2. African Easterly Jet
 - ☒ 3. Subtropical Westerly Jet Stream
 - ☐ 4. Polar-Night Jet Stream

Q.107 The largest island in the Andaman and Nicobar group is:

- Ans**
- ☒ 1. Middle Andaman
 - ☐ 2. North Andaman
 - ☐ 3. Great Nicobar
 - ☐ 4. South Andaman

Q.108 Which of the following Constitutional Amendment Acts added the 9th Schedule to the Constitution?

- Ans**
- ☐ 1. 3rd Constitutional Amendment Act
 - ☐ 2. 2nd Constitutional Amendment Act
 - ☒ 3. 1st Constitutional Amendment Act
 - ☐ 4. 4th Constitutional Amendment Act

Q.109 Which scheme of the Indian government provides lump sum ex-gratia assistance to outstanding sportspersons of yesteryears?

- Ans**
- ☐ 1. Major Dhyan Chand National Scheme for Sportsperson
 - ☒ 2. Pandit Deendayal Upadhyay National Welfare Fund for Sportspersons
 - ☐ 3. Maulana Azad National Scheme for Outstanding Sportsperson
 - ☐ 4. Rajiv Gandhi Khel Protsahan Yojana

Q.110 Khan Abdul Ghaffar Khan, who founded the organisation of non-violent revolutionaries known as 'Red Shirts', was known by the name of ____.

- Ans**
- ☐ 1. Political Guru of Gandhi
 - ☐ 2. Bismarck of India
 - ☐ 3. Shaheed-e-Azam
 - ☒ 4. Frontier Gandhi

Q.111 Which international initiative aims to mobilise solar energy investments of \$1,000 billion by 2030?

- Ans**
- ☐ 1. Global Green Pact
 - ☐ 2. World Solar Initiative
 - ☐ 3. Solar Energy Collaboration
 - ☒ 4. International Solar Alliance (ISA)

Q.112 What was promoted to enhance defence procurement under the approved amendments in the Indian Defence Acquisition Council (DAC) 2020, in February 2024?

- Ans**
- ☒ 1. Procurement of advanced technology from Startups and MSMEs
 - ☐ 2. Foreign defence collaborations
 - ☐ 3. Increased budget allocations
 - ☐ 4. Expansion of defence manufacturing units

Q.113 Which of the following is mainly labour-intensive farming and utilises high doses of biochemical inputs and irrigation to obtain higher production?

- Ans**
- ☐ 1. Primitive subsistence farming
 - ☐ 2. Dryland farming
 - ☐ 3. Commercial plantation
 - ☒ 4. Intensive subsistence farming

Q.114 In which year did Jyotiba Phule open a school for girls which was the first girls school ever in the country?

- Ans**
- ☐ 1. 1868
 - ☐ 2. 1838
 - ☒ 3. 1848
 - ☐ 4. 1858

Q.115 What does Article 164 of the Indian Constitution state about the appointment of the Chief Minister?

- Ans**
- ☐ 1. The Chief Minister is elected by the legislative assembly of the state.
 - ☐ 2. The Chief Minister is appointed by the President of India.
 - ☐ 3. The Chief Minister is chosen through a referendum in the state.
 - ☒ 4. The Chief Minister shall be appointed by the Governor.

Q.116 What was the capital of the Gupta empire during the rule of Ashoka?

- Ans**
- ☒ 1. Ujjain
 - ☐ 2. Ayodhya
 - ☐ 3. Prayag
 - ☐ 4. Pataliputra

Q.117 Which type of poverty is generally considered as a result of insufficient income?

- Ans**
- ☐ 1. Situational poverty
 - ☐ 2. Urban poverty
 - ☒ 3. Absolute poverty
 - ☐ 4. Relative poverty

Q.118 The Slogan of the Purna Swaraj was adopted as a goal on which date?

- Ans**
- ☐ 1. 26th January 1950
 - ☐ 2. 26th January 1940
 - ☐ 3. 26th January 1960
 - ☒ 4. 26th January 1930

Q.119 In 1930, who in his most famous speech stressed the creation of a Muslim state in North West India?

- Ans**
- ☐ 1. Ali Kutty Mustiyar
 - ☒ 2. Sir Muhammad Iqbal
 - ☐ 3. Khuzaima Qutbuddin
 - ☐ 4. Syed Ali Akhtar Rizvi

Q.120 Who was the commander-in-chief of Nana Saheb?

- Ans**
- ☐ 1. Shah Nazam
 - ☐ 2. Mir Kasim
 - ☐ 3. Siraj-ud-Daulah
 - ☒ 4. Tatya Tope