



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



Exam Date	12/03/2025
Centre Name	iON Digital Zone iDZ Old Alwal
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 Hemant and Irfan can complete a certain piece of work in 9 and 14 days, respectively, They started to work together, and after 3 days, Irfan left. In how many days will Hemant complete the remaining work?

- Ans
1. $\frac{171}{42}$

2. $\frac{173}{44}$

3. $\frac{175}{42}$

4. $\frac{170}{43}$

Q.2 Evaluate:

$$\sqrt{\left(20 + \sqrt{\left(17 + \sqrt{\left(55 + \sqrt{\left(73 + \sqrt{(64)}\right)}\right)}\right)}\right)}$$

- Ans
1. 5

2. 8

3. 4

4. 3

Q.3 The average of the marks of 14 students in a class is 67. If the marks of each student are doubled, find the new average?

- Ans
1. 67

2. 14

3. 134

4. 28

Q.4	Which of the following numbers is divisible by 7?
	a) 171 b) 119 c) 701 d) 387
Ans	1. b 2. c 3. a 4. d
Q.5	Train 1 travelling at a speed of 80 km/hr leaves station A at 6:00 a.m., and train 2 travelling at 105 km/hr starts from station A at 8:30 a.m. in the same direction on a parallel track. At what distance (in km) from station A will train 2 meet train 1?
Ans	1. 920 2. 840 3. 780 4. 860
Q.6	If y is the length of the median of an equilateral triangle, then find its area.
Ans	1. $\frac{\sqrt{3}y}{4}$ 2. 2y 3. $\frac{y^2}{\sqrt{3}}$ 4. $\sqrt{3}y$
Q.7	Pipes A and B can fill an empty cistern in 86 minutes and 43 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe A be turned off so that the empty cistern is completely filled in a total of 42 minutes?
Ans	1. 20 min 2. 15 min 3. 5 min 4. 2 min
Q.8	The average of first 141 even numbers is
Ans	1. 142.5 2. 142 3. 143 4. 141.5
Q.9	1% of 93% of a number is what percentage of that number?
Ans	1. 0.093 2. 94 3. 0.93 4. 93
Q.10	The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 101. Find the average of the remaining two numbers?
Ans	1. 199 2. 179 3. 180 4. 200

Q.11	Find HCF of 1826 and 2486.
Ans	1. 22 2. 44 3. 33 4. 11
Q.12	The cost price of an article is 64% of the marked price. Calculate the gain percentage after allowing a discount of 12%.
Ans	1. 32.5% 2. 47.2% 3. 37.5% 4. 45.7%
Q.13	The sum of five numbers is 655. The average of the first two numbers is 76 and the third number is 108. Find the average of the remaining two numbers?
Ans	1. 184 2. 198.5 3. 197.5 4. 185
Q.14	A car travels 209 km in the first hour and 157 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?
Ans	1. 179 2. 174 3. 183 4. 193
Q.15	A water tank is in the shape of a cone with a radius of 5 m and a height of 12 m. How much water can the tank hold when full? (Use $\pi \approx 3.14$).
Ans	1. 424 m³ 2. 345 m³ 3. 327 m³ 4. 314 m³
Q.16	A bike goes 32 meters in a second. Find its speed in km/hr.
Ans	1. 105.3 2. 115.2 3. 117.4 4. 113.8
Q.17	The average of X and Y is 40, that of Y and Z is 38, and that of Z and X is 42. Find the average of X, Y and Z.
Ans	1. 120 2. 40 3. 38 4. 42

Q.18	Which of the following is the greatest number which divides 1658 and 2041 leaving remainders 7 and 9, respectively?
Ans	1. 127 2. 135 3. 235 4. 129
Q.19	A sum, when invested at 10% simple interest per annum, amounts to ₹2160 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?
Ans	1. 360 2. 720 3. 180 4. 90
Q.20	If $5 \text{ (A's capital)} = 15 \text{ (B's capital)} = 25 \text{ (C's capital)}$, then out of a profit of ₹8,740, how much amount will be received by C?
Ans	1. ₹960 2. ₹1,315 3. ₹1,140 4. ₹1,210
Q.21	Mohan purchased a table for ₹2,025 and due to some scratches on its top, he had to sell it for ₹1,675. Find his loss percentage (correct to two places of decimals).
Ans	1. 16.85% 2. 17.28% 3. 17.91% 4. 16.31%
Q.22	Find the value of $64^{-12} \div 64^{14} \times 64^{-16}$
Ans	1. 64^{-42} 2. 64^{-45} 3. 64^{-50} 4. 64^{-37}
Q.23	The difference between the compound interest (compounded annually) and simple interest on a sum of money for two years at 11% per annum is ₹242. Find the sum.
Ans	1. ₹20,500 2. ₹21,000 3. ₹20,000 4. ₹21,800
Q.24	A store sells a product with an original price of ₹45,520. Calculate the total amount of discount provided if 10% trade discount and 5% scheme discount is applied on the transaction.
Ans	1. ₹3,300.40 2. ₹4,400.40 3. ₹5,500.40 4. ₹6,600.40

Q.25	If $162 : y :: y : 128$, find the positive value of y.
Ans	1. 142 2. 144 3. 153 4. 140
Q.26	Find the value of given expression.
	$\frac{0.5}{0.5} + \frac{0.5}{(0.5)^2} + \frac{0.375}{(0.5)^3} + \frac{0.25}{(0.5)^4}$
Ans	1. 0.1 2. 4 3. 10 4. 1
Q.27	Two trains of equal length are running on parallel lines in the same direction at speeds of 112 km/h and 46 km/h. The faster train passes the slower train in 12 seconds. The length of each train is:
Ans	1. 110 meters 2. 113 meters 3. 122 meters 4. 103 meters
Q.28	A hollow spherical shell is made of a metal of density 21 g/cm ³ . Its internal and external radius are 16 cm and 17 cm, respectively. What is the weight (in kg) of the shell ? (take $\pi = \frac{22}{7}$)
Ans	1. 73.56 2. 71.896 3. 68.896 4. 73.66
Q.29	Gursimar was given an increment of 15% on her salary. If her new salary is ₹84,180, what was her salary before the increment?
Ans	1. ₹72,300 2. ₹73,200 3. ₹73,050 4. ₹72,750
Q.30	Two pipes can fill a cistern separately in 40 minutes and 60 minutes, respectively. They can together fill the cistern in:
Ans	1. 24 minutes 2. 23 minutes 3. 25 minutes 4. 20 minutes
Q.31	A merchant buys 150 books for ₹200 each and sells them at ₹250 each. Calculate the profit percentage.
Ans	1. 25% 2. 15% 3. 25.5% 4. 35%

Q.32 Find the value of $34^{-10} \div 34^7 \times 34^{-11}$

- Ans
- 1. 34^{-37}
 - 2. 34^{-28}
 - 3. 34^{-34}
 - 4. 34^{-33}

Q.33 Find the value of $2.035 - 20.35 + 28.56 \times 0.8 + 13.02 - 3.65 - 8.05$.

- Ans
- 1. 4.905
 - 2. 5.263
 - 3. 4.582
 - 4. 5.853

Q.34 The monthly incomes of two friends David and Ajay, are in the ratio 5 : 7 respectively and each of them saves ₹78000 every month. If the ratio of their monthly expenditure is 1 : 4, find the monthly income of David(in ₹).

- Ans
- 1. 91000
 - 2. 90000
 - 3. 126000
 - 4. 89000

Q.35 The rate of interest is 8% per annum and the interest is compounded semi-annually. The equivalent rate of interest per annum in a time period of one year is ____%.

- Ans
- 1. 8.00
 - 2. 8.16
 - 3. 8.25
 - 4. 8.20

Section : General Intelligence and Reasoning

Q.36 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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.)

3 - 1
111 - 109

- Ans
- 1. 44 - 41
 - 2. 134 - 131
 - 3. 165 - 162
 - 4. 51 - 49

Q.37 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. RVS
 - 2. UYW
 - 3. OSP
 - 4. LPM

Q.38	Sam starts from Point A and drives 8 km towards north. He then takes a left turn, drives 9 km, turns left and drives 13 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 5 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 degrees turns only unless specified)
Ans	1. 1 km to the east 2. 2 km to the east 3. 2 km to the west 4. 3 km to the east
Q.39	This question is based on the five, three-digit numbers given below. (Left) 468 429 517 371 386 (Right) (Example- 697 – First digit = 6, second digit = 9 and third digit = 7) NOTE - All operations to be done from left to right. What will be the resultant if the second digit of the highest number is multiplied with the second digit of the lowest number?
Ans	1. 6 2. 7 3. 9 4. 4
Q.40	If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1672548, what will be the sum of the digits that are second from the left and second from the right?
Ans	1. 7 2. 8 3. 4 4. 6
Q.41	Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern. OP - ST - WX HI - LM - PQ
Ans	1. EF - IJ - MN 2. WX - ZA - EF 3. BC - EF - HI 4. QR - VW - CD
Q.42	What should come in place of the question mark (?) in the given series based on the English alphabetical order? ETU LAB SHI ZOP ?
Ans	1. GUW 2. GVU 3. GWV 4. GVW
Q.43	Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern. SCE : ELS HGM : MPH
Ans	1. THA : AQT 2. SRI : IRS 3. HUN : NFH 4. SRY : YIS

Q.44	Seven friends C, D, E, P, Q, R and S are sitting around a circular table facing the center of the table. Only two people sit between P and D when counted from the right of P. C sits third to the left of Q. S sits to the immediate right of Q. S sits second to the left of P. R is not an immediate neighbour of C. How many people sit between E and S when counted from the right of E?
Ans	1. None 2. Three 3. One 4. Two
Q.45	Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) 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 statement(s). Statements: Some diaries are laptops. All computers are laptops. Conclusions: (I) Some diaries are computers. (II) All laptops are computers.
Ans	1. Neither conclusion (I) nor (II) follows. 2. Both conclusions (I) and (II) follow. 3. Only conclusion (I) follows. 4. Only conclusion (II) follows.
Q.46	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 kiwis are fruits. All tomatoes are fruits. All cherries are fruits. Conclusions: (I): Some cherries are kiwis. (II): Some tomatoes are cherries.
Ans	1. Only conclusion (I) follows. 2. Neither conclusion (I) nor (II) follows. 3. Both conclusions (I) and (II) follow. 4. Only conclusion (II) follows.
Q.47	In a certain code language, A + B means 'A is the brother of B', A – B means 'A is the father of B', A x B means 'A is the mother of B', A ÷ B means 'A is the wife of B'. Based on the above, how is P related to T if 'P x Q ÷ R – S + T'?
Ans	1. Father's mother 2. Sister 3. Mother's mother 4. Wife's mother
Q.48	P, Q, R, S, T, U and V are sitting around a circular table facing the centre. Only two people sit between V and R when counted from the right of V. Only two people sit between R and T. Only three people sit between V and U. Q sits to the immediate left of S. How many people sit between Q and T when counted from the right of Q?
Ans	1. 3 2. 4 3. 2 4. 1

Q.49 This question is based on the five, three-digit numbers given below.

(Left) 897 687 819 623 832 (Right)

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

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

- Ans
1. 3

2. 7

3. 11

4. 12

Q.50 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GTJ : IXG
LUR : NYO

- Ans
1. IKS : KPP

2. LPS : NTQ

3. GGY : IKV

4. FGL : HKJ

Q.51 What should come in place of the question mark (?) in the given series?

3 9 16 35 68 ?

- Ans
1. 133

2. 139

3. 138

4. 140

Q.52 All 61 people are standing in a row facing North. Dheeru is 37th from the left end while Carl is 19th from the right end. How many people are there between Dheeru and Carl?

- Ans
1. 4

2. 5

3. 3

4. 6

Q.53 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 balls are stumps.
All stumps are gloves.
Some gloves are helmets.

Conclusions:
(I) All helmets are stumps.
(II) All gloves are balls.

- Ans
1. Both conclusions (I) and (II) follow.

2. Only conclusion (II) follows.

3. Only conclusion (I) follows.

4. Neither conclusion (I) nor (II) follows.

Q.54 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. HB-XP
 - 2. EY-UM
 - 3. PJ-FZ
 - 4. YS-OG

Q.55 What should come in place of the question mark (?) in the given series?

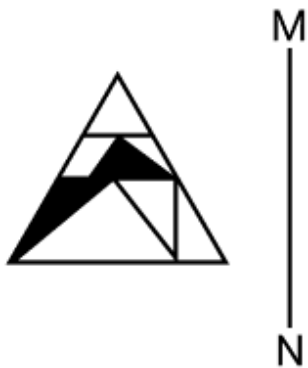
6 16 27 39 52 ?

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

Q.56 Seven friends C, D, E, P, Q, R and S are sitting in a straight line facing north. No one sits to the left of C. Only two people sit between C and S. D sits to second to the right of S. Q sits to the immediate left of E. P is an immediate neighbour of S. How many people sit between P and R?

- Ans**
- 1. Three
 - 2. None
 - 3. One
 - 4. Four

Q.57 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans

1.



2.



3.



4.



Q.58 Each of A, B, C, S, W, Y and Z has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. C has the exam on Friday. Only two people have the exam between Y and C. Only four people have the exam between W and Y. B has the exam immediately after Z. S doesn't have the exam on Monday. How many people have the exam before S and after A?

Ans

1. One

2. Four

3. Two

4. Three

Q.59 In a certain code language,
A + B means 'A is the mother of B'
A – B means 'A is the father of B'
A X B means 'A is the sister of B'
A / B means 'A is the brother of B'
A > B means 'A is the husband of B'
A * B means 'A is the wife of B'

How is L related to A if A * K – Q X L > T?

Ans

1. Son

2. Sister

3. Mother

4. Daughter

Q.60 This question is based on the five, three-digit numbers given below.

(Left) 138 436 253 173 752 (Right)

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

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

- Ans
1. 10

2. 11

3. 13

4. 12

Q.61 In a certain code language, ‘GRIL’ is coded as ‘9463’ and ‘RING’ is coded as ‘6974’. What is the code for ‘N’ in the given code language?

- Ans
1. 7

2. 6

3. 9

4. 4

Q.62 In a certain code language, ‘FORM’ is coded as ‘6541’ and ‘MORE’ is coded as ‘1674’. What is the code for ‘E’ in the given code language?

- Ans
1. 1

2. 6

3. 4

4. 7

Q.63 What should come in place of ‘?’ in the given series?

1019, 1025, 1042, 1071, 1113, ?

- Ans
1. 1196

2. 1169

3. 1153

4. 1186

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

IJX GIW EHV CGU ?

- Ans
1. AST

2. AFT

3. AFS

4. AGS

Q.65 Select the figure from among the given options that can replace the question mark (?) to logically complete the following series.

‡	8	≠	8	≠	H	Ö	H	
	Ö		‡		8		≠	?
H	≠	H	Ö	‡	Ö	‡	8	

Ans

1.

‡

≠

H

Ö

8
2.

8

H

Ö

‡

≠
3.

≠

Ö

8

H

‡
4.

Ö

‡

H

≠

8

Q.66 If ‘<’ stands for ‘−’, ‘>’ stands for ‘+’, ‘=’ stands for ‘×’ and ‘\$’ stands for ‘÷’, what will come in place of the question mark (?) in the following equation?
31 > 81 \$ 9 < 7 = ?

- Ans
1. 36

2. 33

3. 32

4. 37

Q.67 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

AEZU ZDYT YCXs XBWR ?

- Ans
1. WAVQ

2. WATV

3. WAVT

4. WAQV

Q.68	In a certain code language, 'IDEA' is coded as '5823' and 'DIET' is coded as '3482'. What is the code for 'T' in the given code language?
Ans	1. 8 2. 4 3. 3 4. 2
Q.69	Sanjay starts from Point Y and drives 43 km towards north. He then takes a left turn, drives 67 km, turns left and drives 94 km. He then takes a left turn and drives 22 km. He takes a left turn, drives 68 km. He then turns right, drives 31 km, turns right and drives 17 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)
Ans	1. 19 km towards north 2. 14 km towards east 3. 18 km towards north 4. 24 km towards west
Q.70	If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation? 35 B 4 C 6 D 84 A 14 = ?
Ans	1. 141 2. 140 3. 137 4. 138

Section : General Awareness	
Q.71	What is the RBI's target inflation rate in 2024?
Ans	1. 3% 2. 4% 3. 6% 4. 5%
Q.72	In which year was the Reserve Bank of India (RBI) established?
Ans	1. 1955 2. 1920 3. 1949 4. 1935
Q.73	Rukmini Devi Arundale was a trailblazer in the world of _____.
Ans	1. Odissi 2. Manipuri 3. Kathak 4. Bharatnatyam
Q.74	The Revolt of 1857 ended with the British victory in:
Ans	1. 1860 2. 1867 3. 1877 4. 1858

Q.75	The National Rural Employment Programme (NREP) and the Rural Landless Employment Guarantee Programme (RLEGP) were merged in April 1989 with the _____ scheme.
Ans	1. Indira Gandhi Swarojgar Yojana 2. Jawahar Rozgar Yojana (JRY) 3. Swaran Jyanti Gram Swayamrozgar Yojana 4. Indira Awas Yojna (IAY)
Q.76	Which of the following is true for a free-falling body of mass m under gravity from a height h from the surface of ground?
Ans	1. Total energy of the body at all the positions is 'mgh'. 2. At the top, kinetic energy is 'mgh' and potential energy is zero. 3. At the middle, total energy of the body is 'mgh/2'. 4. At the surface of ground, kinetic energy is zero.
Q.77	The Law of Conservation of Mass states that:
Ans	1. the total mass of reactants does not equal the total mass of products in a chemical reaction 2. energy is conserved and cannot be created or destroyed 3. the volume of a gas is inversely proportional to its pressure at constant temperature 4. matter cannot be created or destroyed in a chemical reaction
Q.78	On 17 September 2024, Kenya signed an arrangement with which country to exchange technical information and cooperate on nuclear safety matters?
Ans	1. Canada 2. United States 3. France 4. Russia
Q.79	When was a special session of the Indian National Congress held, specifically to pass the resolution of the non-cooperation movement with the demand of Swaraj?
Ans	1. May 1920 2. June 1919 3. December 1919 4. September 1920
Q.80	In November 2024, which of the following banks launched e-Bank Guarantee (e-BG) facility in partnership with NeSL, replacing the physical documentation usually associated with issuing BG?
Ans	1. Syndicate Bank 2. Punjab and Sind Bank 3. Indian Overseas Bank 4. UCO Bank
Q.81	Which of the following Indian Institutes of Technology (IIT) has transferred a first-of-its-kind vaccine technology to BioMed Pvt. Ltd, in March 2024?
Ans	1. IIT Goa 2. IIT Indore 3. IIT Guwahati 4. IIT Roorkee

Q.82	'Zero tillage' farming, a technique that minimises soil disturbance, is primarily practiced in the cultivation of which crop in India?
Ans	1. Cotton 2. Wheat 3. Tea 4. Banana
Q.83	Which of the following Sustainable Development Goals of United Nations deals with 'reduced inequalities'?
Ans	1. Goal 11 2. Goal 10 3. Goal 9 4. Goal 8
Q.84	How many variants are there in Hindustani music that makes in all twelve notes to a saptak?
Ans	1. 5 2. 9 3. 2 4. 6
Q.85	Which of the following parts of the Indian Constitution outlines the powers and procedures of the Parliament?
Ans	1. Part IX 2. Part V 3. Part IV 4. Part VII
Q.86	What was the weighted average call rate (WACR) during the period from 16 September to 17 October 2024?
Ans	1. 6.52% 2. 6.50% 3. 6.48% 4. 6.75%
Q.87	PM GatiShakti National Master Plan (PMGS-NMP), launched on 13 October 2021, is a transformative approach for economic growth and sustainable development. The approach is driven by ____ engines.
Ans	1. five 2. eleven 3. nine 4. seven
Q.88	Who founded the Gupta empire?
Ans	1. Babur 2. Akbar 3. Chandragupta I 4. Ashoka

Q.89	Jannik Sinner became the first _____ man to win the US Open, defeating Taylor Fritz in September 2024.
Ans	1. German 2. Spanish 3. Italian 4. French
Q.90	In which state is the Hugli Industrial Region located?
Ans	1. Andhra Pradesh 2. West Bengal 3. Maharashtra 4. Odisha
Q.91	Which of the following qualifications is NOT required for a person to be appointed as a district judge in a state?
Ans	1. The candidate should not already be in the service of the Central or state government. 2. The candidate should be recommended by the High Court for the appointment. 3. The candidate should have been an advocate or a pleader for at least seven years. 4. The candidate should have prior experience as a judge in the subordinate courts.
Q.92	Which sector contributed the most to India's GDP growth after 1991?
Ans	1. Industry 2. Mining 3. Services 4. Agriculture
Q.93	Which is the Indian light tank whose initial automotive trials were conducted by Defense Research and Development Organization (DRDO) on 13 September 2024?
Ans	1. Zorawar 2. Bhishma 3. Atharva 4. Ajeya
Q.94	When did Akbar become the emperor of Delhi?
Ans	1. 1566 2. 1556 3. 1568 4. 1540
Q.95	Which of the following powers does the Governor NOT possess?
Ans	1. Legislative powers 2. Diplomatic powers 3. Financial powers 4. Executive powers
Q.96	The idea of a 'welfare state' is promoted by which of the following with respect to the Indian Constitution?
Ans	1. Directive Principles of State Policy 2. Fundamental Rights 3. Fundamental Duties 4. Preamble

Q.97	If a body of mass is m, linear momentum is p and kinetic energy is K, then which of the following expressions is true?
Ans	1. $K= 2m/p^2$ 2. $p= 2Km$ 3. $p=\sqrt{2Km}$ 4. $K= p/2m$
Q.98	Who mobilised the headmen and cultivators of chaurasee des, moving at night from village to village, urging people to rebel against the British during the Revolt of 1857?
Ans	1. Maulvi Ahmadullah Shah 2. Gonoo 3. Shah Mal 4. Maulvi Liaqat Ali
Q.99	The southwest monsoon is believed to engulf the entire subcontinent by mid _____.
Ans	1. May 2. June 3. August 4. July
Q.100	In June 2024, which city in Kerala was declared India’s first UNESCO ‘City of Literature’?
Ans	1. Kochi 2. Kannur 3. Kozhikode 4. Thiruvananthapuram
Q.101	By how much percentage did SBI’s net interest income (NII) increase year-over-year in Q3 FY24?
Ans	1. 15.28% 2. 3.69% 3. 10.75% 4. 4.59%
Q.102	When did the sepoys in the cantonment of Meerut break out in mutiny?
Ans	1. 10 June 1858 2. 10 July 1859 3. 10 May 1857 4. 8 May 1856
Q.103	Which of the following statements regarding rolling and sliding friction is correct?
Ans	1. Sliding friction is typically larger than rolling friction. 2. Rolling friction is typically larger than sliding friction. 3. Rolling friction is an integer multiple of sliding friction. 4. Rolling friction and sliding friction are equal in magnitude.
Q.104	Dibang and Lohit rivers are part of which river basin?
Ans	1. Ganga 2. Narmada 3. Krishna 4. Brahmaputra

Q.105	Which of the following fundamental rights is mentioned from Article 25 to Article 28 of the Indian Constitution?
Ans	1. Right to Freedom 2. Right against Exploitation 3. Right to Equality 4. Right to Freedom of Religion
Q.106	Which of the following is NOT a genre of Carnatic classical music?
Ans	1. Tillana 2. Tanam 3. Javali 4. Tappa
Q.107	Which two banks were involved in the ₹25 crore Credit Default Swap (CDS) trade in 2024?
Ans	1. Axis Bank and Bank of Baroda 2. Punjab National Bank and Yes Bank 3. State Bank of India and Standard Chartered Bank 4. HDFC Bank and ICICI Bank
Q.108	The National Green Tribunals has been established for the enforcement for environmental rights emanating from which Article of the Indian Constitution?
Ans	1. Article 23 2. Article 21 3. Article 22 4. Article 20
Q.109	Which of the following are important oil fields of the Brahmaputra Valley?
Ans	1. Lunej and Ankhleshwar 2. Naharkhatia and Moran 3. Badarpur and Masimpur 4. Digboi and Kilboi
Q.110	Which of the following was a direct consequence of the Foreign Exchange Regulation Act (FERA) of 1973 on India's industrial sector?
Ans	1. Restrictions on foreign ownership in Indian companies 2. Increased foreign investment in manufacturing 3. Promotion of agricultural exports 4. Encouragement of export-oriented industries
Q.111	Indian shuttlers won how many gold medals at the Japan Para Badminton International 2024?
Ans	1. Six 2. Eight 3. Nine 4. Four
Q.112	In October 2024, the Supreme Court by what majority upheld constitutional validity of Section 6A of the Citizenship Act?
Ans	1. 3 : 2 2. 4 : 1 3. 8 : 1 4. 5 : 2

Q.113	As a rule of Indian classical music, a Raga must have at least ____ notes.
Ans	1. six 2. four 3. five 4. three
Q.114	All of the following were extremist leaders, EXCEPT ____.
Ans	1. Bipin Chandra Pal 2. Surendranath Banerjee 3. Aurobindo Ghosh 4. Bal Gangadhar Tilak
Q.115	Which of the following is true about subordinate courts in India?
Ans	1. They have independent authority without any oversight from the High Court. 2. They are directly under the authority of the Supreme Court of India. 3. They come under the authority of the High Court of the respective state. 4. They are part of the central judicial system.
Q.116	Which edition of Fit India Swachhata Freedom Run was organised in October 2024 with an aim to indulge people in fitness activities?
Ans	1. Third 2. Fourth 3. Sixth 4. Fifth
Q.117	The only tribal group in the Andaman Islands still living in isolation is:
Ans	1. Sentinelese 2. Onge 3. Nicobarese 4. Jarawa
Q.118	The reflecting telescope was invented by which of the following physicists?
Ans	1. Christiaan Huygens 2. Isaac Newton 3. Galileo Galilei 4. Johannes Kepler
Q.119	What is the total geographical area of India?
Ans	1. 2.5 million sq. km 2. 2.9 million sq. km 3. 4.1 million sq. km 4. 3.28 million sq. km
Q.120	In July 2024, India's first sunken museum was inaugurated at which location?
Ans	1. Qutub Minar, Delhi 2. Red Fort, Delhi 3. Humayun's Tomb Complex, Delhi 4. India Gate, Delhi