रेल भर्ती बोर्ड / **RAILWAY RECRUITMENT BOARDS**

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Exam Date	05/03/2025
Centre Name	iON Digital Zone iDZ Sandalpur
Exam Time	9:00 AM - 10:30 AM

* 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 **The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 114. Find the average of the remaining two numbers?**

Ans ✔ 1. 195.5

✘ 2. 189

✘ 3. 190

✘ 4. 196.5

Q.2 **How many seconds will a boy take to run one complete round around a square field of side 87 metres, if he runs at a speed of 3 km/h?**

Ans ✔ 1. 417.6

✘ 2. 424

✘ 3. 425

✘ 4. 421

Q.3 **The marked price of an article is ₹5,800. A customer gets two successive discounts, the first being 12%. Calculate the second discount percentage if the customer pays ₹4,695.68 for it.**

Ans ✘ 1. 7.5%

✘ 2. 8.6%

✔ 3. 8%

✘ 4. 7%

Q.4 Simplify the following expression:

$$\frac{6.5^3 - 5^3}{42.25 + 32.5 + 25}$$

Ans ✘ 1. 3.5

✘ 2. 2.5

✔ 3. 1.5

✘ 4. 0.5

Q.5 **The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 123. Find the average of the remaining two numbers?**

Ans ✘ 1. 202

✘ 2. 201

✔ 3. 188

✘ 4. 189

Q.6 A man riding on a bicycle at a speed of 43 km/h crosses a bridge in 54 minutes. Find the length of the bridge?

Ans ✔ 1. 38.7 km

✗ 2. 45.8 km

✗ 3. 46.4 km

✗ 4. 29.8 km

Q.7 The length of a rectangular garden is 20 m and its breadth is 8 m. Find the length of the diagonal of a square garden having the same area as that of the rectangular garden.

Ans ✔ 1. $8\sqrt{5}$ m

✗ 2. $4\sqrt{5}$ m

✗ 3. $4\sqrt{10}$ m

✗ 4. $8\sqrt{10}$ m

Q.8 A trader offers a 10% discount on the marked price and provides 3 articles free for every 12 articles purchased, thereby earning a profit of 20%. Find the percentage by which the marked price is increased above the cost price, correct to two decimal places.

Ans ✔ 1. 66.67%

✗ 2. 62.36%

✗ 3. 61.25%

✗ 4. 65.86%

Q.9 The monthly incomes of two friends Chetan and Vipul, are in the ratio 5 : 7 respectively and each of them saves ₹72000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Chetan(in ₹).

Ans ✔ 1. 90000

✗ 2. 91000

✗ 3. 126000

✗ 4. 89000

Q.10 What is the smallest possible number which when divided by 33, 56 and 84, leaves 6, 29 and 57 as the remainders, respectively?

Ans ✗ 1. 1875

✗ 2. 1892

✗ 3. 1848

✔ 4. 1821

Q.11 Find the value of A for which the number 7365A2 is divisible by 9.

Ans ✗ 1. 1

✔ 2. 4

✗ 3. 2

✗ 4. 3

Q.12 The average of the marks of 15 students in a class is 43. If the marks of each student are doubled, find the new average?

Ans ✗ 1. 30

✔ 2. 86

✗ 3. 15

✗ 4. 43

Q.13 Evaluate: 41 - [21 - {11 - (15 - 6 ÷ 2 × 2)}]

Ans ✗ 1. 24

✗ 2. 17

✓ 3. 22

✗ 4. 19

Q.14 The average of first 109 even numbers is

Ans ✗ 1. 109.5

✗ 2. 111

✓ 3. 110

✗ 4. 110.5

Q.15 A tap can fill a tank in 8 hours. After half the tank is filled, four more similar taps are opened. What is the total time taken to fill the tank completely?

Ans ✗ 1. 3 hours, 30 min

✗ 2. 4 hours, 40 min

✗ 3. 5 hours, 30 min

✓ 4. 4 hours, 48 min

Q.16 If 35% of k is 15 less than 3600% of 15, then k is:

Ans ✗ 1. 1460

✗ 2. 1480

✗ 3. 1540

✓ 4. 1500

Q.17 Arun's salary is increased by 20% in January and his salary is again increased by 35% in the month of November. What is the overall percentage increase in his salary?

Ans ✗ 1. 55%

✗ 2. 60%

✓ 3. 62%

✗ 4. 65%

Q.18 Mohan, Rahul, and Geeta enter into a partnership. They invest ₹35,000, ₹75,000, and ₹1,05,000, respectively. At the end of the first year, Rahul withdraws ₹25,000, while at the end of the second year, Geeta withdraws ₹75,000. In what ratio will the profit be shared at the end of 3 years?

Ans ✗ 1. 63:105:219

✗ 2. 63:111:211

✓ 3. 63:105:184

✗ 4. 63:184:311

Q.19 A principal amount of ₹8,000 is invested at an annual interest rate of 5% compounded half-yearly. What will be the compound interest earned after 4 years?
[Use $(1.025)^8 = 1.2184$]

Ans ✗ 1. ₹1,757.60

✓ 2. ₹1,747.20

✗ 3. ₹1,175.20

✗ 4. ₹1,475.60

Q.20 Devvrat sold a commodity at a loss of 3%. If he would have been able to sell it at a profit of 15%, he would have received ₹1,494 more. What was the cost price (in ₹) of the commodity?

Ans
- ✗ 1. 8,350
- ✗ 2. 8,400
- ✓ 3. 8,300
- ✗ 4. 8,250

Q.21 Kiran can do a certain piece of work in 15 days. Kiran and Garima can together do the same work in 10 days, and Kiran, Garima and Mehak can do the same work together in 9 days. In how many days can Kiran and Mehak do the same work?

Ans
- ✗ 1. $\dfrac{88}{8}$
- ✗ 2. $\dfrac{86}{9}$
- ✗ 3. $\dfrac{99}{7}$
- ✓ 4. $\dfrac{90}{7}$

Q.22 The LCM of three numbers is 2400. If the numbers are in the ratio of 3 : 4 : 5, find the greatest number among them.

Ans
- ✓ 1. 200
- ✗ 2. 160
- ✗ 3. 250
- ✗ 4. 120

Q.23 In a laboratory, the count of bacteria in a certain experiment was increasing at the rate of 4.4% per hour. Find the count of bacteria at the end of 2 hours if the count was initially 8,05,00,000.

Ans
- ✗ 1. 8,44,39,855
- ✗ 2. 8,77,39,884
- ✓ 3. 8,77,39,848
- ✗ 4. 8,78,39,878

Q.24
Find the value of $47^{-5} \div 47^{11} \times 47^{-15}$

Ans
- ✗ 1. 47^{-41}
- ✗ 2. 47^{-38}
- ✓ 3. 47^{-31}
- ✗ 4. 47^{-27}

Q.25 A girl goes to school at a speed of 10 km/hr. She comes back with a speed of 40 km/hr. Find her average speed for the whole journey.

Ans
- ✗ 1. 10 km/h
- ✗ 2. 6 km/h
- ✓ 3. 16 km/h
- ✗ 4. 14 km/h

Q.26 Kavya has to reach Bhopal which is 1011 km away in 19 hours. His starting speed for 7 hours was 25 km/hr. For the next 152 km his speed was 19km/hr. By what speed he must travel now so as to reach Bhopal in decided time of 19hours?

Ans ✗ 1. 165 km/hr

✗ 2. 167 km/hr

✔ 3. 171 km/hr

✗ 4. 177 km/hr

Q.27 The sum of five numbers is 655. The average of the first two numbers is 76 and the third number is 107. Find the average of the remaining two numbers?

Ans ✔ 1. 198

✗ 2. 184

✗ 3. 199

✗ 4. 183

Q.28 A clay cylinder of height 42 cm is converted into a cone of the same radius as that of the cylinder. If the volume of the cylinder is 52,800 cm^3, then the radius (in cm) of the cone is:

(Use π = $\dfrac{22}{7}$)

Ans ✔ 1. 20

✗ 2. 24

✗ 3. 18

✗ 4. 22

Q.29 A conical canvas tent with height 14 units and radius 7 units requires _____ square units of canvas to make.

Ans ✗ 1. $49\sqrt{6}\,\pi$

✗ 2. $49\sqrt{2}\,\pi$

✔ 3. $49\sqrt{5}\,\pi$

✗ 4. $49\sqrt{3}\,\pi$

Q.30 A can do a piece of work in 12 days. B can do it in 18 days. With the assistance of C, they completed the work in 4 days. C alone can do it in _____days.

Ans ✗ 1. 11

✗ 2. 8

✗ 3. 10

✔ 4. 9

Q.31 A sum, when invested at 10% simple interest per annum, amounts to ₹3120 after 3 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?

Ans ✔ 1. 480

✗ 2. 240

✗ 3. 1920

✗ 4. 960

Q.32 Asmita bought a saree for ₹4,800 and sold it for ₹4,200 after 1 year. Find her loss percentage.

Ans ✔ 1. 12.5%

✗ 2. 11%

✗ 3. 11.85%

✗ 4. 10.25%

Q.33 The value of

$$0^3 - 3^2 + \left(\frac{30}{10}\right) - 7 + 0 \times 1 = \underline{}$$

Ans ✗ 1. -10

✓ 2. -7

✗ 3. 1

✗ 4. -4

Q.34 Simplify the expression: $(0.2)^3 + (0.5)^3 + (0.7)^3 - (4 \times 0.2 \times 0.5 \times 0.7)$

Ans ✓ 1. 0.196

✗ 2. 1.96

✗ 3. 19.60

✗ 4. 0.0196

Q.35 Three partners invested in a business in the ratio 4:6:8. They invested their capitals for 8 months, 4 months and 5 months, respectively. What was the ratio of their profits?

Ans ✗ 1. 7:3:5

✓ 2. 4:3:5

✗ 3. 2:3:5

✗ 4. 5:3:5

Section : General Intelligence and Reasoning

Q.36 What will come in place of the question mark (?) in the following equation if '+' and '−' are interchanged and '×' and '÷' are interchanged?
225 × 9 ÷ 10 − 39 + 45 = ?

Ans ✓ 1. 244

✗ 2. 231

✗ 3. 236

✗ 4. 229

Q.37 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. KR-OM

✓ 2. BI-FE

✗ 3. EL-IG

✗ 4. HO-LJ

Q.38 Neha starts from Point Y and drive 8 km towards north. Then she takes right turn and drives 9 km and then again she takes right turn and drives 18 km. Then she turns left and drives 7 km. Then she turns left and drives 2 km and at last she turns left and drives 16 km and stops at point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

Ans ✗ 1. 7 km towards north

✓ 2. 8 km towards north

✗ 3. 7 km towards south

✗ 4. 8 km towards south

Q.39 MNPL is related to RSUQ in a certain way based on the English alphabetical order. In the same way, JKMI is related to OPRN. To which of the following is QRTP related, following the same logic?

Ans
- ✗ 1. WVYU
- ✗ 2. VWUY
- ✓ 3. VWYU
- ✗ 4. WVUY

Q.40 In a certain code language, 'knowledge is a boon' is written as 'if mi nn ku' and 'God gives boon' is coded as 'mi in im'. How is 'boon' coded in the given language?
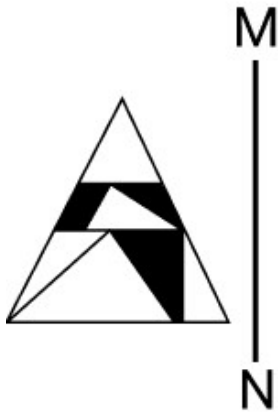
Ans
- ✓ 1. mi
- ✗ 2. if
- ✗ 3. nn
- ✗ 4. im

Q.41 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.
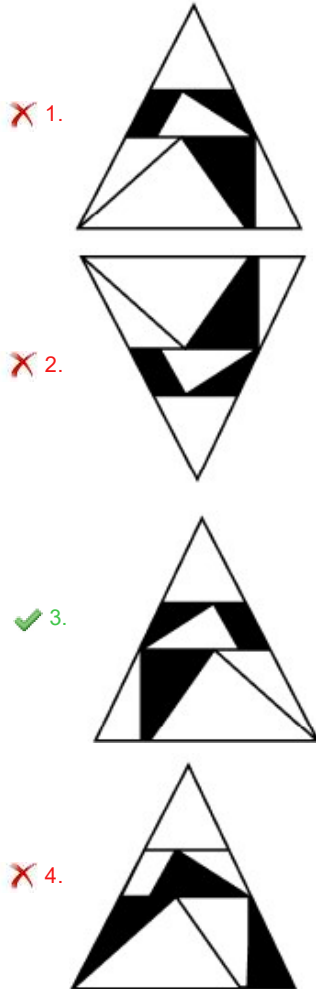
IFX : LCS
DNG : GKB

Ans
- ✗ 1. UIR : XMM
- ✗ 2. KKK : NNG
- ✗ 3. VHP : YJK
- ✓ 4. BFO : ECJ

Q.42 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below

M

N

Ans

✗ 1.

✗ 2.

✓ 3.

✗ 4.

Q.43 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

GJEZ EHCX CFAV ADYT ?

Ans ✗ 1. YRIN

✗ 2. YBRI

✗ 3. YBRW

✓ 4. YBWR

Q.44 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 pots are tears.
Some tears are bottles.
All bottles are cloves.

Conclusions:
(I): All cloves are tears.
(II): Some cloves are pots.

Ans

✗ 1. Only conclusion (I) follows.

✗ 2. Only conclusion (II) follows.

✗ 3. Both conclusions (I) and (II) follow.

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

Q.45 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.

(Left) Ω 9 2 # 1 8 $ 7 3 6 * £ + 5 4 @ % & (Right)

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

Ans

✔ 1. 3

✗ 2. 5

✗ 3. 2

✗ 4. 4

Q.46 Seven people, A, B, C, D, E, F and G, are sitting in a straight line facing south. D is sitting to the immediate left of G and immediate right of E. A is sitting to the immediate left of E and immediate right of B. C is sitting to the immediate left of F. Who is sitting to the immediate left of B?

Ans

✗ 1. E

✗ 2. G

✗ 3. D

✔ 4. F

Q.47 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).

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

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

Ans

✗ 1. Three

✗ 2. Two

✔ 3. One

✗ 4. None

Q.48 WMHD is related to TJEA in a certain way based on the English alphabetical order. In the same way, TGNV is related to QDKS. To which of the given options is FIXL related, following the same logic?

Ans

✗ 1. TJKS

✗ 2. QDEA

✗ 3. TDKS

✔ 4. CFUI

Q.49 In a certain code language, 'DINE' is coded as '1290' and 'BIDE' is coded as '9025'. What is the code for 'B' in the given code language?

Ans
✗ 1. 9

✗ 2. 1

✓ 3. 5

✗ 4. 0

Q.50 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TWO QTL NQI KNF ?

Ans ✗ 1. HLB

✗ 2. HLC

✓ 3. HKC

✗ 4. HKB

Q.51 This question is based on the five, three-digit numbers given below.

(Left) 359 725 422 627 435 (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. 13

✓ 2. 11

✗ 3. 15

✗ 4. 10

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

6 11 18 23 42 47 ?

Ans ✗ 1. 98

✗ 2. 95

✗ 3. 89

✓ 4. 90

Q.53 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. JIF

✗ 2. TSP

✗ 3. POL

✓ 4. KJH

Q.54 What will come in place of the question mark (?) in the following equation if '–' and '+' are interchanged and '×' and '÷' are interchanged?
270 × 30 ÷ 9 − 76 + 60 = ?

Ans ✗ 1. 102

✓ 2. 97

✗ 3. 106

✗ 4. 99

Q.55 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BVM EYP HBS KEV ?

Ans ❌ 1. NHB

❌ 2. NYH

❌ 3. NBH

✅ 4. NHY

Q.56 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'.

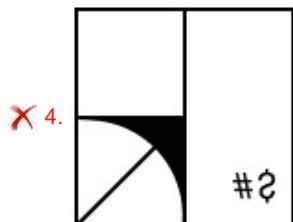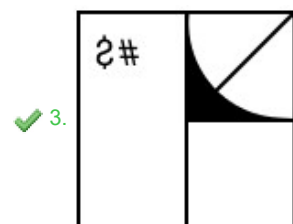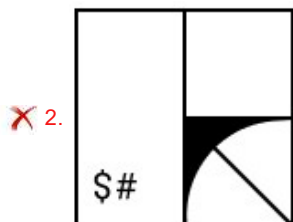How is C related to G if 'C < D × E + F : G'?

Ans ❌ 1. Wife's mother's sister

❌ 2. Wife's father's daughter

❌ 3. Wife's daughter's son

✅ 4. Wife's mother's father

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

O

#$

G

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
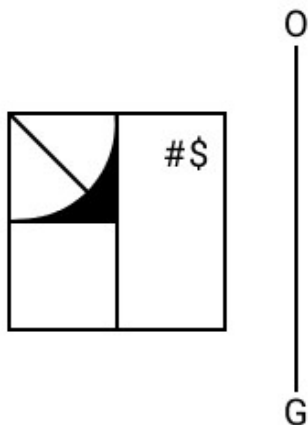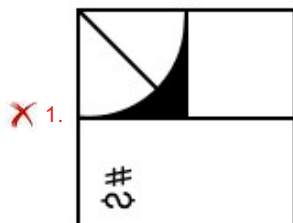
Q.58 Vijay starts from Point Y and drives 29 km towards south. He then takes a left turn, drives 68 km, turns right and drives 55 km. He then takes a right turn and drives 27 km. He takes a right turn, drives 84 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

Ans   ✗ 1. 44 km towards south

✗ 2. 46 km towards east

✗ 3. 37 km towards east

✔ 4. 41 km towards west

Q.59 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?

120 A 90 B 10 C 100 D 20 = ?

Ans
   ✗ 1. 75

   ✗ 2. 88

   ✔ 3. 80

   ✗ 4. 85

Q.60 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:
All towels are boats.
No peanuts are boats.
All chairs are towels.

Conclusions:
(I) Some boats are chairs.
(II) No towels are peanuts.

Ans
   ✗ 1. Only conclusion (I) follows.

   ✗ 2. Only conclusion (II) follows.

   ✔ 3. Both conclusions (I) and (II) follow.

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

Q.61 In a row of people all facing North, Fardeen is 4th from the left end. Paras is 6th from the left end. Paras is exactly between Fardeen and Kapil. If Kapil is 5th from the right end of the row, how many people are there in the row?

Ans
   ✗ 1. 10

   ✔ 2. 12

   ✗ 3. 11

   ✗ 4. 13

Q.62 In a certain code language, 'MINT' is coded as '4286' and 'NEAR' is coded as '3879'. What is the code for 'N' in the given code language?

Ans
   ✗ 1. 7

   ✗ 2. 6

   ✔ 3. 8

   ✗ 4. 3

Q.63 Seven students, Q, R, S, T, W, X and Y, are sitting in a straight line facing north. Only W sits to the right of R. Only three people sit to the left of S. Only three people sit between R and Y. Q sits at some place to the left of T but at some place to the right of X. How many people sit to the left of X?

Ans
   ✗ 1. Three

   ✗ 2. One

   ✗ 3. Two

   ✔ 4. None

Q.64 In the following number-pairs, the second number is obtained by applying certain mathematical operations 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 number-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/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.)
21, 105
19, 95

Ans
✗ 1. 13, 95

✗ 2. 24, 65

✓ 3. 14, 70

✗ 4. 31, 90

Q.65 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 almonds are crows.
Some peanuts are razors.
All razors are crows.
Conclusions:
(I): All peanuts are crows.
(II): Some almonds are razors.

Ans
✗ 1. Only conclusion (II) follows.

✗ 2. Only conclusion (I) follows.

✗ 3. Both conclusions (I) and (II) follow.

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

Q.66 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept below G. Only one box is kept above B. Only one box is kept between B and D. A is kept immediately above C. E is kept at some place below F. Which box is kept at the top?

Ans
✗ 1. B

✓ 2. F

✗ 3. D

✗ 4. A

Q.67 In a certain code language,
A @ B means 'A is the sister of B',
A & B means 'A is the brother of B',
A + B means 'A is the wife of B',
A # B means 'A is the father of B'.

Based on the above, how is S related to T if 'S + D # R & Y @ T'?

Ans
✗ 1. Sister

✗ 2. Daughter

✓ 3. Mother

✗ 4. Wife

Q.68 What should come in place of the question mark (?) in the given series?

1155, 1034, 985, 960, 951, ?

Ans
✓ 1. 947

✗ 2. 942

✗ 3. 950

✗ 4. 951

Q.69 Seven friends, Q, R, S, T, W, X and Y, are sitting around a circular table facing the centre of the table. X sits third to the left of Q. R sits third to the left of T. Only four people sit between X and S when counted from the right of X. W is an immediate neighbour of both S and Q. How many people sit between Y and W when counted from the left of Y?

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

Q.70 What should come in place of the question mark (?) in the given series?

9 20 42 86 ? 350

Ans
- ✅ 1. 174
- ❌ 2. 175
- ❌ 3. 173
- ❌ 4. 172

Section : General Awareness

Q.71 Which of the following best describes globalisation?

Ans
- ✅ 1. Increasing international interdependence and trade
- ❌ 2. Isolating economies from global markets
- ❌ 3. Reducing international trade
- ❌ 4. Limiting cultural exchange

Q.72 Which group criticised the moderates for their 'mendicancy'?

Ans
- ❌ 1. Constitutionalists
- ✅ 2. Extremists
- ❌ 3. Socialists
- ❌ 4. British government

Q.73 The principles of social justice incorporated in the Directive Principles are influenced by which philosophy?

Ans
- ❌ 1. Communism
- ❌ 2. Anarchism
- ✅ 3. Gandhism
- ❌ 4. Capitalism

Q.74 Which company signed an MoU with NPCI International Payments Ltd (NIPL) to expand UPI's impact internationally, in January 2024?

Ans
- ❌ 1. Microsoft India
- ✅ 2. Google India Digital Services (P) Limited
- ❌ 3. Amazon India
- ❌ 4. PayPal India

Q.75 What is the local name used for the primitive form of cultivation (slash and burn agriculture) in the Indian state of Andhra Pradesh?

Ans
- ❌ 1. Valre
- ❌ 2. Dahiya
- ❌ 3. Bringa
- ✅ 4. Podu

Q.76 What is the main function of leukocytes in the human body?

Ans ✓ 1. Initiating the immune response

✗ 2. Carrying oxygen to tissues

✗ 3. Forming blood clots to stop bleeding

✗ 4. Transporting nutrients to cells

Q.77 During a special campaign conducted from 2-31 October 2024, with a focus on minimising pendency and promoting Swachhata, how much revenue did Public Sector Banks (PSBs) and financial institutions in India realise through scrap disposal?

Ans ✓ 1. ₹4.5 crore

✗ 2. ₹3.5 crore

✗ 3. ₹2 crore

✗ 4. ₹4 crore

Q.78 What was the main goal of the Second Five-Year Plan?

Ans ✗ 1. Achieving self-sufficiency in agriculture

✓ 2. Rapid industrialisation

✗ 3. Improving rural infrastructure

✗ 4. Increasing exports

Q.79 Which organization promotes rural development and self-employment in India?

Ans ✓ 1. National Bank for Agriculture and Rural Development (NABARD)

✗ 2. World Trade Organization (WTO)

✗ 3. Central Bureau of Investigation (CBI)

✗ 4. Reserve Bank of India (RBI)

Q.80 What is the maximum strength of the Rajya Sabha as per the Indian Constitution?

Ans ✓ 1. 250

✗ 2. 225

✗ 3. 200

✗ 4. 238

Q.81 Which of the following islands is known for having the only active volcano in India?

Ans ✗ 1. Madagaskar

✗ 2. Maldives Islands

✗ 3. Malta

✓ 4. Barren Island

Q.82 The process of converting sugar into alcohol by adding yeast is known as:

Ans ✗ 1. Respiration

✗ 2. Photosynthesis

✗ 3. Transpiration

✓ 4. Fermentation

Q.83 In June 2024, Mohan Charan Majhi was appointed as chief minister of Odisha. Which party does he belong to?

Ans ✗ 1. Biju Janta Dal

✗ 2. Congress (I)

✗ 3. Aam Admi Party

✓ 4. Bhartiya Janta Party

Q.84 Which of the following are the grounds for the removal of a judge of a High Court or the Supreme Court?

Ans
   ✗ 1. Proved incapacity and lack of qualifications

   ✗ 2. Proved misbehaviour and administrative errors

   ✗ 3. Proved misbehaviour and criminal conviction

   ✓ 4. Proved misbehaviour and incapacity

Q.85 The Union Budget 2024-25 reduced long-term capital gains (LTCG) tax from 20% to _____ but removed the indexation benefit available earlier.

Ans
   ✓ 1. 12.5%

   ✗ 2. 14.5%

   ✗ 3. 16.5%

   ✗ 4. 10.5%

Q.86 Recombinant proteins, often seen in the news, are _____.

Ans
   ✗ 1. proteins synthesised in animal models

   ✗ 2. natural proteins found in bacteria

   ✗ 3. proteins synthesised in mutated cell lines

   ✓ 4. proteins synthesised by transgene in host cell by rDNA technology

Q.87 The velocity of an object at time t_1 is v_1, and at time t_2, it becomes v_2. The average acceleration of the object in that time-interval is:

Ans
   ✗ 1. $v_2 /(t_2 - t_1)$

   ✓ 2. $(v_2 - v_1) /(t_2 - t_1)$

   ✗ 3. $(v_2 - v_1) /t_2$

   ✗ 4. v_2 /t_2

Q.88 Who among the following became the first person to hoist the Indian flag on foreign soil during the International Socialist Conference in Stuttgart, Germany, in 1907?

Ans
   ✗ 1. Kalpana Datta

   ✗ 2. S Muthulakshmi Reddy

   ✗ 3. Matangini Hazra

   ✓ 4. Madam Bhikaiji Cama

Q.89 Which of the following events marked the formal end of the Mughal Empire after the First War of Independence?

Ans
   ✗ 1. The fall of Delhi

   ✓ 2. The exile of Bahadur Shah Zafar to Rangoon (now Yangon)

   ✗ 3. The signing of the Treaty of Lahore

   ✗ 4. The British annexation of Bengal

Q.90 Indian classical ragas, by the number of notes, can be divided into _____ main categories or Jatis.

Ans
   ✗ 1. four

   ✗ 2. five

   ✓ 3. three

   ✗ 4. seven

Q.91 Which country is hosting the twenty-ninth Conference of the Parties (COP29) to the UN Framework Convention on Climate Change (UNFCCC) in November 2024?

Ans ✅ 1. Azerbaijan

❌ 2. India

❌ 3. Russia

❌ 4. Georgia

Q.92 In which year did India introduce economic reforms, leading to globalisation?

Ans ✅ 1. 1991

❌ 2. 1985

❌ 3. 2010

❌ 4. 2001

Q.93 In May 2024, India participated in the 7th edition of Joint Military Exercise 'Shakti' with which country?

Ans ✅ 1. France

❌ 2. Chile

❌ 3. Italy

❌ 4. Japan

Q.94 Arrange the following Mauryan Emperors in chronological order.
I. Bindusara
II. Brihadratha
III. Samprati
IV. Ashoka

Ans ❌ 1. I - II - III - IV

✅ 2. I - IV - III - II

❌ 3. IV - I - III - II

❌ 4. II - IV - III - I

Q.95 In August 2024, India's drug regulator approved Siemens Healthineers to manufacture testing kits for mpox. What does the 'm' in mpox stand for?

Ans ❌ 1. Mini

❌ 2. Multi

❌ 3. Micro

✅ 4. Monkey

Q.96 Which of the following tribes is primarily found in the Andaman and Nicobar Islands?

Ans ❌ 1. Irular

❌ 2. Siddi

❌ 3. Kadar

✅ 4. Shompen

Q.97 The region known as the Doab is located between:

Ans ❌ 1. a river and a mountain range

❌ 2. a river and the sea

❌ 3. two mountain ranges

✅ 4. two rivers

Q.98 The Great Bath is one of the special features of which of the following sites of the Indus Valley Civilisation?

Ans ✓ 1. Mohenjodaro

✗ 2. Dholavira

✗ 3. Rakhigarhi

✗ 4. Chanhudaro

Q.99 What was the role of the public sector in India's industrial development from 1947 to 1991?

Ans ✗ 1. To promote private investment

✗ 2. To support small-scale industries

✗ 3. To focus on export-oriented industries

✓ 4. To dominate key industries and infrastructure

Q.100 In June 2024, the Government launched 'MSME TEAM', which aims to facilitate _____ micro and small enterprises for Open Network for Digital Commerce.

Ans ✗ 1. 10 lakh

✗ 2. 2 lakh

✓ 3. 5 lakh

✗ 4. 3 lakh

Q.101 The HIV virus impacts the human immune system. What does the abbreviation HIV stand for?

Ans ✗ 1. Human Immune Virus

✓ 2. Human Immunodeficiency Virus

✗ 3. Human Infection Virus

✗ 4. Human Inflammatory Virus

Q.102 Which sector has been highlighted as a significant contributor to job creation in India, according to the Economic Survey 2024?

Ans ✓ 1. Private sector

✗ 2. Foreign investments

✗ 3. Government sector

✗ 4. Agricultural sector

Q.103 The 86th Constitutional Amendment Act added the Right to Education in the Constitution, under which Article?

Ans ✗ 1. Article 22

✓ 2. Article 21 A

✗ 3. Article 20

✗ 4. Article 19

Q.104 To whom among the following is the invention of the Sitar commonly credited?

Ans ✗ 1. Raza Khan

✗ 2. Ustad Yusuf Ali Khan

✗ 3. Maseet Khan

✓ 4. Amir Khusrau

Q.105 In which of the following states is the Marleshwar Yatra held annually on the occasion of Makar Sankranti?

Ans
- ✗ 1. Punjab
- ✗ 2. Jharkhand
- ✗ 3. Haryana
- ✓ 4. Maharashtra

Q.106 Which of the following Acts transferred the power from the British East India Company to the British Crown in India?

Ans
- ✗ 1. Pitt's India Act
- ✗ 2. Government of India Act, 1935
- ✓ 3. Government of India Act, 1858
- ✗ 4. Indian Councils Act, 1909

Q.107 Which of the following is NOT a part of the definition of a town as per the Census of India?

Ans
- ✓ 1. More than 75% of the population engaged in primary sector
- ✗ 2. Presence of municipality, corporation, etc
- ✗ 3. Population size of more than 5,000 persons
- ✗ 4. Population density of 400 persons per km^2

Q.108 In which of the following cities was International WASH (Water, Sanitation, and Hygiene) Conference held from 17 to 19 September 2024?

Ans
- ✗ 1. Singapore
- ✗ 2. London
- ✓ 3. New Delhi
- ✗ 4. New York

Q.109 Which type of RNA transports genetic information from the DNA in the nucleus to the ribosomes in the cytoplasm, where it directs protein synthesis?

Ans
- ✗ 1. rRNA
- ✗ 2. snRNA
- ✗ 3. tRNA
- ✓ 4. mRNA

Q.110 Who among the following is NOT a recipient of the prestigious Bharat Ratna award of the year 2024?

Ans
- ✗ 1. MS Swaminathan
- ✓ 2. MS Subbulakshmi
- ✗ 3. Karpoori Thakur
- ✗ 4. Charan Singh

Q.111 Which of the following was NOT a provision of the November 1857 Royal Proclamation?

Ans
- ✗ 1. No further extension of territories in India
- ✗ 2. Doctrine of Lapse was abolished
- ✓ 3. Separate electorate was introduced for Muslims
- ✗ 4. Non-interference in the religious affairs of Indians

Q.112 Which of the following is NOT a correct classification of the Directive Principles of State Policy?

Ans ✖ 1. The economic and social principles

✖ 2. Principles for the International Peace and Security

✖ 3. The Gandhian Principles

✔ 4. The Nehru Principles

Q.113 Which of the following dynasties does NOT belong to the Sangam Period?

Ans ✖ 1. Chera

✖ 2. Pandya

✔ 3. Gupta

✖ 4. Chola

Q.114 By which of the following Amendment Acts was Article 21(A) inserted in the Indian Constitution?

Ans ✖ 1. 44th Amendment Act

✖ 2. 42nd Amendment Act

✔ 3. 86th Amendment Act

✖ 4. 73rd Amendment Act

Q.115 In which of the following months does an easterly jet stream flow over the southern part of the Peninsula, reaching a maximum speed of approximately 90 km per hour?

Ans ✖ 1. February

✔ 2. June

✖ 3. April

✖ 4. December

Q.116 Which of the following Articles of the Indian Constitution explicitly prohibits the State from making any law that violates Fundamental Rights?

Ans ✖ 1. Article 32

✔ 2. Article 13

✖ 3. Article 30

✖ 4. Article 42

Q.117 The actor Arun Govil, known for playing Lord Ram in the popular Doordarshan series 'Ramayan', won from which Lok Sabha seat in the 2024 General Elections?

Ans ✖ 1. Mathura

✖ 2. Muzaffarnagar

✔ 3. Meerut

✖ 4. Mandi

Q.118 Lake 'Chilika' lies at (the) _____.

Ans ✖ 1. Kanniyakumari

✔ 2. Mahanadi delta

✖ 3. estuary of Narmada

✖ 4. Sundarbans Delta

Q.119 Which ministry and National Stock Exchange of India Limited (NSE) signed a Memorandum of Understanding (MoU) to facilitate capital market access for MSMEs on 29 July 2024?

Ans ✗ 1. Ministry of Commerce and Industry

✓ 2. Ministry of Defence

✗ 3. Ministry of Home Affairs

✗ 4. Ministry of Finance

Q.120 Social or Collective Ownership, Central Planning Authority and Social Welfare are the features of which type of economy?

Ans ✓ 1. Socialism

✗ 2. Communism

✗ 3. Imperialism

✗ 4. Capitalism