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FOR RPF SI EXAM PREPARATION

RPF SI 2024 Question Paper · All Shifts English

EXAM	YEAR	TYPE	SUBJECT	DATE
RPF SI	2024	Question Paper	All Shifts English	03 Dec

रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०१/२०२४ - CEN RPF - 01/2024

Community	OBC NCL
Test Center Name	Jagannath Institute Of Engineering And Technology
Test Date	03/12/2024
Test Time	9:00 AM - 10:30 AM
Subject	Recruitment of Sub Inspector Executive in Railway Protection Force and Railway Protection Special Force

*** 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 average of eight numbers is 20. The average of five of these numbers is 14. The average of the remaining three numbers is**

Ans
✗ 1. 31
✗ 2. 32
✓ 3. 30
✗ 4. 29

Q.2 **A cone is 12.6 cm high and the radius of the base is 3.2 cm. It is melted and recast into a sphere. Determine the radius of the sphere.(Correct up to one decimal place)**

Ans
✓ 1. 3.2 cm
✗ 2. 2.9 cm
✗ 3. 2.1 cm
✗ 4. 1.2 cm

Q.3 **The smallest natural number which is divisible by 16, 88, 12 and 22 is:**

Ans
✗ 1. 476
✗ 2. 501
✗ 3. 567
✓ 4. 528

Q.4 **If the number 934a6281 is completely divisible by 3 and a be the smallest positive integer, then find the value of (a−2)(a−1)a (a+1)(a+2)(a+3)(a+4).**

Ans
✗ 1. 5004
✓ 2. 5040
✗ 3. 5400
✗ 4. 4050

Q.5 **If the interest earned during the 2nd year on a certain sum is ₹6787, and the rate of interest is 10% per annum compounded annually, then the sum is:**

Ans
✗ 1. ₹60805
✓ 2. ₹61700
✗ 3. ₹62005
✗ 4. ₹62530

Q.6 The value of

$$\frac{1}{7}+\frac{5}{7}+\frac{2}{14}+\frac{4}{7}-2=$$

Ans

✗ 1. $-\frac{3}{14}$

✓ 2. $-\frac{6}{14}$

✗ 3. $-\frac{5}{14}$

✗ 4. $-\frac{8}{14}$

Q.7 During sale, Raghav bought a notebook marked for ₹60 at 25% discount and a pen marked for ₹80 at 25% discount. How much (in ₹) did he save due to sale?

Ans

✗ 1. 33

✗ 2. 36

✓ 3. 35

✗ 4. 38

Q.8 Find the value of $\left[(23\times 7)\times\left\{6\div 6\times\frac{(17-13)}{4}\right\}\right]$

Ans

✗ 1. 143

✗ 2. 175

✓ 3. 161

✗ 4. 158

Q.9 The smallest 1-digit number to be added to the 6-digit number 318833 so that it is completely divisible by 11 is:

Ans

✗ 1. 7

✗ 2. 5

✗ 3. 3

✓ 4. 2

Q.10 The expenditure of Sudha is 200% more than her savings. If her expenditure decreases by 4% and savings increase by 28%, then by what percent does her income increase?

Ans

✗ 1. 0.09

✗ 2. 0.07

✓ 3. 0.04

✗ 4. 0.08

Q.11 A number when increased by 50 %', gives 3630. The number is:

Ans

✗ 1. 7260

✗ 2. 4840

✗ 3. 1210

✓ 4. 2420

Q.12 If a 1952 m long train crosses a pole in 122 seconds, then find the time (in seconds) taken by the train to cross a 160 m long platform.

Ans

✗ 1. 128

✓ 2. 132

✗ 3. 137

✗ 4. 135

Q.13 The ratio of numbers of girls and boys participating in sports of a school is 1 : 5. If the number of girls is 249, determine the number of boys participating in the sports.

Ans

✓ 1. 1245

✗ 2. 1275

✗ 3. 1265

✗ 4. 1220

Q.14 If $24 \times 9 \times 720 \div \sqrt{2304} = y + 925$, then find the value of y.

Ans
- ✗ 1. 2316
- ✗ 2. 2307
- ✓ 3. 2315
- ✗ 4. 2310

Q.15 The average of 41 numbers is 16. The average of the first 17 numbers is 27 and the average of the last 25 numbers is 26. If the 17th number from the beginning is excluded, then what is the average of the remaining numbers?

Ans
- ✓ 1. 5.075
- ✗ 2. 9.085
- ✗ 3. 3.43
- ✗ 4. 5.5

Q.16 A shopkeeper lists the price of a fan at 20% above its cost price and offers a 15% discount on its list price. If he earns a profit of ₹190, then what is the list price (in ₹) of the fan?

Ans
- ✗ 1. 11243
- ✗ 2. 11549
- ✗ 3. 11528
- ✓ 4. 11400

Q.17 Express the following as a vulgar fraction.

$0.23 + 0.54 + 0.3$

Ans
- ✗ 1. $\frac{11}{99}$
- ✗ 2. $\frac{10}{99}$
- ✓ 3. $\frac{10}{9}$
- ✗ 4. $\frac{11}{9}$

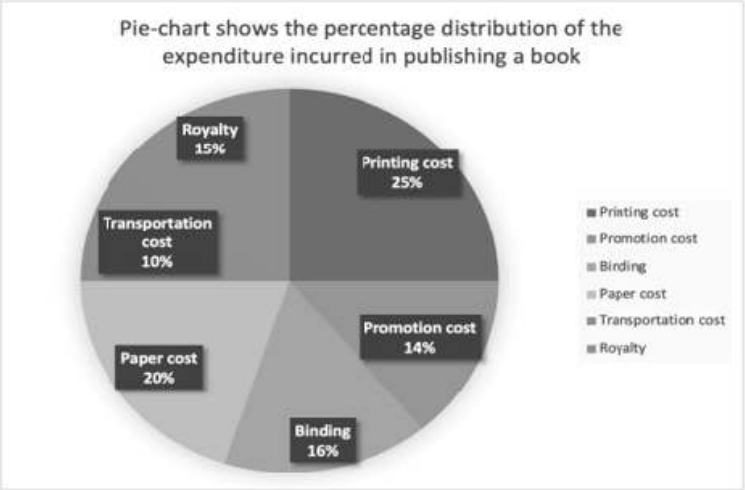
Q.18 What time (in seconds) is required for a 549 m long train to cross a 421 m long tunnel, if the train travels at a speed of 36 km/h?

Ans
- ✗ 1. 90
- ✗ 2. 89
- ✗ 3. 101
- ✓ 4. 97

Q.19 A bank offers 8.1% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹8445 each on 1 January and 1 July of a year. At the end of the year, the amount he would have gained by way of interest is _____. [Give your answer correct to 2 decimal places.]

Ans
- ✓ 1. ₹1039.91
- ✗ 2. ₹1057.26
- ✗ 3. ₹1069.91
- ✗ 4. ₹1048.4

Q.20 The following pie chart shows the percentage distribution of the expenditure incurred in publishing a book.



If, for a certain quantity of books, the publisher pays ₹20,400 as paper cost, then

Ans
✗ 1. 11600
✓ 2. 10200
✗ 3. 13600
✗ 4. 12400

Q.21 400 oranges were bought at ₹1410 per hundred and were sold at a profit of ₹960. Find the selling price (in ₹) per dozen of oranges.

Ans
✗ 1. 213
✗ 2. 208
✗ 3. 188
✓ 4. 198

Q.22 Which of the following fractions is the largest?

$\frac{4}{7}, \frac{4}{45}, \frac{65}{87}, \frac{12}{38}$

Ans
✓ 1. $\frac{65}{87}$
✗ 2. $\frac{4}{7}$
✗ 3. $\frac{4}{45}$
✗ 4. $\frac{12}{38}$

Q.23 Anmol completes his journey in 16 hours. He covers half the distance at 30 km/h and the rest at 50 km/h. What is the length of the journey (in Km)?

Ans
✗ 1. 607
✗ 2. 604
✓ 3. 600
✗ 4. 599

Q.24 If 'a' is the smallest positive integer and the number 8764a529 is completely divisible by 9, then find the value of 17 (3a+5).

Ans
✗ 1. 116
✓ 2. 289
✗ 3. 126
✗ 4. 236

Q.25 Two right circular cones have heights in the ratio 1 : 9 and their base perimeters are in the ratio 9 : 5. Determine their vo

(Use $\pi = \frac{22}{7}$)

Ans
- ✗ 1. 25 : 7
- ✗ 2. 25 : 9
- ✓ 3. 9 : 25
- ✗ 4. 7 : 25

Q.26 The average weight of P, Q and R is 45 kg and that of Q and R is 20 kg. Find the weight of P.

Ans
- ✗ 1. 92 kg
- ✗ 2. 94 kg
- ✓ 3. 95 kg
- ✗ 4. 90 kg

Q.27 Nandini and Nandita invest in a business in the ratio 23 : 3. If total profit is Rs. 2522, then what is difference between the profit (in Rs.) of Nandini and Nandita?

Ans
- ✗ 1. 1790
- ✗ 2. 1890
- ✗ 3. 1840
- ✓ 4. 1940

Q.28 If x varies inversely as $y^3 - 1$ and is equal to 6 when y = 3, find x when y = 7.

Ans
- ✗ 1. $\frac{26}{58}$
- ✓ 2. $\frac{26}{57}$
- ✗ 3. $\frac{27}{58}$
- ✗ 4. $\frac{28}{57}$

Q.29 A shopkeeper marks an article at ₹x and offers a discount of 15% on it. He sells it for ₹408 after charging VAT of 25% on the discounted price. What is the value of ₹ x?

Ans
- ✗ 1. ₹300
- ✗ 2. ₹200
- ✗ 3. ₹600
- ✓ 4. ₹384

Q.30 Two trains of equal length are running on parallel lines in the same direction at speeds of 112 km/h and 20 km/h. The faster train passes the slower train in 45 seconds. The length of each train is:

Ans
- ✗ 1. 563 meters
- ✗ 2. 572 meters
- ✗ 3. 576 meters
- ✓ 4. 575 meters

Q.31 If $26 \times 5 \times 882 \div \sqrt{2401} = y + 695$, then find the value of y.

Ans
- ✗ 1. 1655
- ✗ 2. 1651
- ✓ 3. 1645
- ✗ 4. 1652

Q.32 The average of 41 numbers is 33. The average of the first 17 numbers is 41 and the average of the last 25 numbers is 27. If the 17th number from the beginning is excluded, then what is the average of the remaining numbers?

Ans
- ✗ 1. 34.53
- ✗ 2. 30.1
- ✗ 3. 32.215
- ✓ 4. 33.35

Q.33 The average price of three items of furniture is Rs 15855. If their prices are in the ratio 3:5:7, the price of the costliest item (in Rs) is

Ans
✔ 1. 22197
✘ 2. 7399
✘ 3. 3171
✘ 4. 5285

Q.34 A sum, when invested at 20% simple interest per annum, amounts to ₹2880 after 3 years. What is the simple interest (in ₹) on the same sum at the same rate in 2 year?

Ans
✔ 1. 720
✘ 2. 1440
✘ 3. 2880
✘ 4. 360

Q.35 The total surface area of a solid hemisphere is 152 cm^2. Its radius (in cm) is: $Take\ \pi = \frac{22}{7}$

Ans
✘ 1. $\sqrt{\frac{541}{66}}$
✘ 2. $\sqrt{\frac{541}{33}}$
✘ 3. $\sqrt{\frac{535}{33}}$
✔ 4. $\sqrt{\frac{532}{33}}$

Section : **General Intelligence and Reasoning**

Q.36 Each letter in the word COARSE is changed to the letter immediately succeeding it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?

Ans
✔ 1. P
✘ 2. D
✘ 3. F
✘ 4. S

Q.37 DEF starts from Point A and drives 7 km towards south. He then takes a right turn, drives 19 km, turns right and drives 23 km. He then takes a right turn and drives 27 km. He takes a final right turn, drives 16 km and stops at Point P. How far (the 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. 5 km towards east
✘ 2. 3 km towards south
✘ 3. 9 km towards north
✔ 4. 8 km towards west

Q.38 16 is related to 62 following a certain logic. Following the same logic, 12 is related to 46. To which of the given options is 21 related to, 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/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.)

Ans
✘ 1. 86
✔ 2. 82
✘ 3. 80
✘ 4. 84

Q.39 Which numbers should come in place of the question marks (?) in the same sequence to make the series logically complete?
125 127 131 137 145 ? 167 ?

Ans
✔ 1. 155, 181
✘ 2. 152, 182
✘ 3. 159, 189
✘ 4. 156, 185

Q.40 Select the term from among the given options that can replace the question mark (?) in the following series.

TUM 21 RVP 15 ? NXV 3 LYY -3

Ans
- ✔ 1. PWS 9
- ✘ 2. QSP 8
- ✘ 3. ORP 9
- ✘ 4. PSR 8

Q.41 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 that follows the same logic.

DIET - IDET - TEID
WASH - AWSH - HSAW

Ans
- ✘ 1. HUTS - HTUS - STUH
- ✔ 2. FUME - UFME - EMUF
- ✘ 3. SANG - ASNG - GANS
- ✘ 4. TONG - OTNG - ONGT

Q.42 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ENS 103 HKV 95 KHY 87 NEB 79 QBE 71 ?

Ans
- ✘ 1. UZG 61
- ✘ 2. UYK 63
- ✔ 3. TYH 63
- ✘ 4. SXF 61

Q.43 Refer to the following letter, symbol series and answer the question that follows. (Counting to be done from left to right only.)

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

How many symbols in the series are immediately preceded by another symbol and also immediately followed by a number?

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

Q.44 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

36 - 18 - 20.4 - 22.8
48 - 24 - 26.4 - 28.8

Ans
- ✔ 1. 54 - 27 - 29.4 - 31.8
- ✘ 2. 48 - 24 - 28.4 - 30.8
- ✘ 3. 72 - 36 - 36.4 - 38.8
- ✘ 4. 42 - 14 - 16.4 - 18.8

Q.45 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 ::?

: KMR :: BDI : %

Ans
- ✔ 1. # = DFK; % = IKP
- ✘ 2. # = DFK; % = IKO
- ✘ 3. # = EFK; % = IKP
- ✘ 4. # = DFK; % = IMP

Q.46 Each of P, Q, R, S, T, U and V go to play on a different day of a week starting from Monday and ending on Sunday of the same week.
S goes to play on Tuesday. Exactly two people go to play between S and P. Exactly two people go to play between V and U. Q goes to play on the day immediately after V. Only one person goes to play between R and V. Q goes to play on one of the days after P.
Who goes to play on Monday?

Ans
- ✘ 1. R
- ✘ 2. U
- ✘ 3. V
- ✔ 4. T

Q.47 In a certain code language, 'CONE' is coded as '1649' and 'NECK' is coded as '2169'. What is the code for 'K' in that language?

Ans
- ✗ 1. 1
- ✗ 2. 9
- ✗ 3. 6
- ✓ 4. 2

Q.48 Each vowel in the word LASTING 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. How many vowels are there in the group of letters thus formed?

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

Q.49 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 6159247, what will be the sum of the first two digits from the left in the new number thus formed?

Ans
- ✓ 1. 8
- ✗ 2. 12
- ✗ 3. 14
- ✗ 4. 16

Q.50 In a certain code language, 'CHAT' is coded as '1583' and 'ACTS' is coded as '5718'. What is the code for 'S' in that language?

Ans
- ✗ 1. 1
- ✗ 2. 5
- ✓ 3. 7
- ✗ 4. 8

Q.51 Vidit starts from Point A and drives 7 km towards South. He then takes a left turn, drives 5 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 degree turns only unless specified.)

Ans
- ✓ 1. 3 km to the east
- ✗ 2. 4 km to the east
- ✗ 3. 4 km to the west
- ✗ 4. 3 km to the west

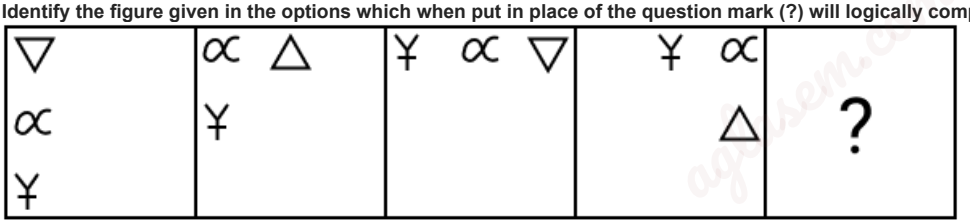
Q.52 Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only.

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

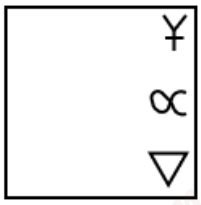
How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another number?

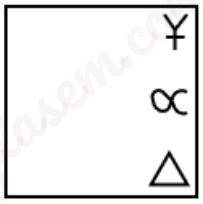
Ans
- ✓ 1. More than two
- ✗ 2. None
- ✗ 3. One
- ✗ 4. Two

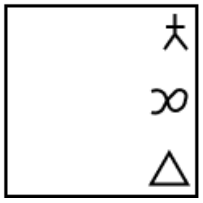
Q.53 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

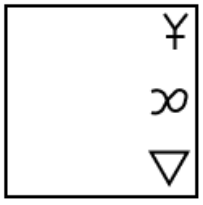


Ans

✔ 1.


✘ 2.


✘ 3.


✘ 4.


Q.54 In a certain code language,
A + B means 'A is the son of B',
A – B means 'A is the brother of B',
A × B means 'A is the wife of B',
and A % B means 'A is the father of B'.

How is S related to H if 'S % D – F × G + H'?

Ans
✔ 1. Son's wife's father
✘ 2. Son's wife's brother
✘ 3. Wife's father
✘ 4. Wife's brother

Q.55 A, B, C, D, E, F and G sit in a straight line facing North. Only two people sit to the right of G. Only two people sit between G and E. Only two people sit between D and B. B sits to the immediate left of G. A sits to the immediate right of F. How many people sit between D and F?

Ans
✘ 1. 2
✘ 2. 1
✘ 3. 3
✔ 4. 4

Q.56 Among five people named A, B, C, D and E, each have a certain age. C is thrice the age of D. The age of A is 3. D is half the age of E. B is twice the age of A. If E is four times the age of B, what is the age of C?

Ans
✘ 1. 34
✔ 2. 36
✘ 3. 38
✘ 4. 40

Q.57 G is the father of H. H is the mother of J. J is the brother of K. K is the son of L. How is G related to L?

Ans
✔ 1. Wife's father
✘ 2. Husband's mother
✘ 3. Wife's brother
✘ 4. Husband's father

Q.58 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 wafers are biscuits.
All biscuits are cookies.
All cookies are pastries.

Conclusions:
(I) All biscuits are wafers.
(II) All pastries are cookies.

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

Q.59 In a certain code language, 'FAIR' is coded as '8547' and 'RAFT' is coded as '5486'. What is the code for 'T' in the given code language?

Ans
✗ 1. 5
✗ 2. 4
✓ 3. 6
✗ 4. 8

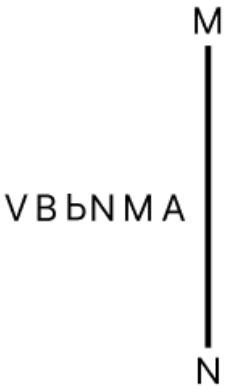
Q.60 A, B, C, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. B lives on a floor that is a prime number. The product of the floors on which B and E live is 3. Only 2 people live above D. F lives immediately below C How many people live between A and F?

Ans
✗ 1. 3
✓ 2. 1
✗ 3. 2
✗ 4. 4

Q.61 Seven boxes Q, R, S, T, U, V and F are kept one over the other but not necessarily in the same order. Only five boxes are kept between S and U. Only S is kept above V. Only two boxes are kept between Q and T. R is kept immediately above F. T is not kept immediately above R. How many boxes are kept between R and T?

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

Q.62 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans
✗ 1. MAИdBV
✓ 2. AMИdBV
✗ 3. AMИdVB
✗ 4. AMbNBV

Q.63 Seven people, M, N, O, P, Q, R and T, are sitting around a circular table facing the centre of the table. Only two people sit between T and N when counted from the right of T. Only two people sit between R and P when counted from the right of R. M sits to the immediate right of P. M sits second to the left of T. Q is not an immediate neighbour of R. Who sits immediately to the left of O?

Ans
✗ 1. N
✗ 2. P
✓ 3. R
✗ 4. Q

Q.64 CGJB is related to EILD in a certain way based on the English alphabetical order. In the same way, FJME is related to HLOG. To which of the following is IMPH related, following the same logic?

Ans

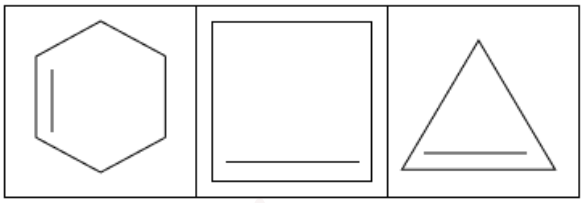
✗ 1. KOJR

✓ 2. KORJ

✗ 3. OKRJ

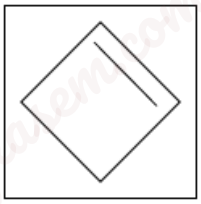
✗ 4. OKJR

Q.65 The 3 figures given below are alike in a certain way as they share certain feature(s). Select the option that shares the same features as the given figures.

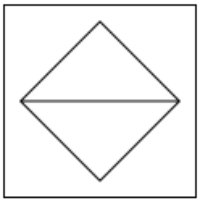


Ans

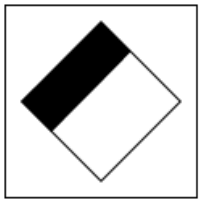
✓ 1.



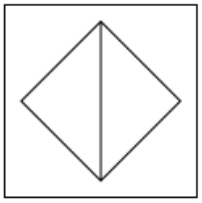
✗ 2.



✗ 3.



✗ 4.



Q.66 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group?

Ans

✓ 1. PKV

✗ 2. LGQ

✗ 3. CXH

✗ 4. XSC

Q.67 What will come in the place of the question mark '?' in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?
52 + 2 × 3 ÷ 6 − 42 + 11 × 3 ÷ 3 = ?

Ans

✗ 1. 98

✗ 2. 118

✗ 3. 102

✓ 4. 79

Q.68 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 2836574, what will be the sum of the digits which are third from the left and third from the right in the new number thus formed?

Ans

✗ 1. 10

✗ 2. 9

✓ 3. 12

✗ 4. 7

Q.69 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 man out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
✔ 1. EKN
✘ 2. ADI
✘ 3. CFK
✘ 4. GJO

Q.70 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. TRS
✔ 2. EDD
✘ 3. XVW
✘ 4. WUV

Section : **General Awareness**

Q.71 Which of the following rivers is known for NOT draining into the sea but rather into salt lakes or sand?

Ans
✘ 1. Chambal
✘ 2. Krishna
✘ 3. Mahanadi
✔ 4. Luni

Q.72 Who among the following was elected unopposed as the Deputy Speaker of the 8th Arunachal Pradesh Legislative Assembly?

Ans
✘ 1. Sotai Kri
✘ 2. Omak Nitik
✘ 3. Tapir Gao
✔ 4. Kardo Nyigyor

Q.73 The elastic potential energy of a strained body is:

Ans
✘ 1. stress × strain
✔ 2. ½ × stress × strain × volume
✘ 3. stress/strain
✘ 4. stress × strain / volume

Q.74 Who is the head of Union Executive in India?

Ans
✔ 1. The President
✘ 2. The Prime Minister
✘ 3. The Governor
✘ 4. Chief Justice of Supreme Court

Q.75 In which of the following years was the first round table conference held?

Ans
✘ 1. 1928
✘ 2. 1932
✘ 3. 1933
✔ 4. 1930

Q.76 'Globbatyrnaensis', a species of ginger, was discovered for the first time in September 2024 by scientists from the Indian Institute of Science Education and Research, Bhopal, from which of the following states?

Ans
✘ 1. Madhya Pradesh
✘ 2. Kerala
✔ 3. Meghalaya
✘ 4. Uttarakhand

Q.77 Rohit Sharma finished at which position in the table of leading run-scorers in the Men's T20 World Cup 2024 tournament?

Ans
✘ 1. Third
✔ 2. Second
✘ 3. Fifth
✘ 4. First

Q.78 Which Amendment has made the Right to Education a Fundamental Right?

Ans
- ✔ 1. 86th Amendment
- ✘ 2. 90th Amendment
- ✘ 3. 92nd Amendment
- ✘ 4. 75th Amendment

Q.79 How many indicators were used to calculate the recently published India's National MPI report?

Ans
- ✘ 1. 10
- ✘ 2. 14
- ✘ 3. 16
- ✔ 4. 12

Q.80 What is the main focus of the 'Kuposhan Mukt Jharkhand' event chaired by Annpurna Devi?

Ans
- ✘ 1. Improving child education for their welfare
- ✘ 2. Increasing child participation in politics
- ✘ 3. Improving women standards
- ✔ 4. Improving nutritional standards and child welfare

Q.81 Which of the following mountain passes DOES NOT lie in Uttarakhand?

Ans
- ✘ 1. Lipu Lekh
- ✘ 2. Lwa Dhura
- ✔ 3. Nathu La
- ✘ 4. Lampiya Dhura

Q.82 Which of the following statements is FALSE?

Ans
- ✘ 1. According to Article 77, all executive actions of the Government of India shall be exeucted in the name of the President.
- ✘ 2. According to Article 74, the President will act only on the advice of the Council of Ministers.
- ✘ 3. All members of the Council of Ministers hold office during the pleasure of the President.
- ✔ 4. Article 76 provides for a Council of Ministers headed by the Prime Minister.

Q.83 Which of the following roles does the Small Industries Development Bank of India (SIDBI) perform in Indian economy?

Ans
- ✔ 1. Financing and promoting Micro, Small, and Medium Enterprises (MSMEs)
- ✘ 2. Supervising credit rating agencies
- ✘ 3. Managing government pension funds
- ✘ 4. Regulating foreign exchange transactions

Q.84 'Kathasaritasagara' is a collection of stories composed in _____.

Ans
- ✘ 1. Telugu
- ✔ 2. Sanskrit
- ✘ 3. Prakrit
- ✘ 4. Tamil

Q.85 In which of the following years was the Overseas Citizenship of India Scheme introduced by amending Citizenship Act 1955?

Ans
- ✘ 1. 2004
- ✔ 2. 2005
- ✘ 3. 2001
- ✘ 4. 2009

Q.86 The _____ direct(s) and guide(s) the nation/state for equitable society and provide(s) module to the government in formulating policies and enactment of laws.

Ans
- ✘ 1. Enforcement Directorate
- ✘ 2. Bureaucracy
- ✘ 3. Judiciary
- ✔ 4. Directive Principles

Q.87 Vigyan Yuva 2024 awardee in Biological Sciences category, Prof. Aravind Penmatsa, is Assistant Professor at which of the following institutions?

Ans
- ✘ 1. IISER Bhopal
- ✘ 2. IIT Bombay
- ✔ 3. IISc Bengaluru
- ✘ 4. IIM Dhanbad

Q.88 A lens has a power of −0.25D. What is the nature and focal length of this lens?

Ans
- ✗ 1. Concave lens of focal length −2 metres
- ✗ 2. Convex lens of focal length 4 metres
- ✓ 3. Concave lens of focal length −4 metres
- ✗ 4. Convex lens of focal length −8 metres

Q.89 QUEQIAO-2 signal relay satellite was launched by which country in 2024 to serve as the communication bridge for its future lunar probe missions?

Ans
- ✗ 1. Japan
- ✓ 2. China
- ✗ 3. North Korea
- ✗ 4. South Korea

Q.90 Which of the following north-eastern states reported the highest literacy rate according to the Census of India 2011?

Ans
- ✗ 1. Meghalaya
- ✗ 2. Manipur
- ✓ 3. Mizoram
- ✗ 4. Assam

Q.91 The Indian Airforce and Army jointly conducted the Vayu-Prahar Exercise in which of the following theatre commands?

Ans
- ✗ 1. Southern Theatre
- ✗ 2. Western Theatre
- ✗ 3. Northern Theatre
- ✓ 4. Eastern Theatre

Q.92 Which of the following is the 'Utility of a commodity'?

Ans
- ✗ 1. It is the desire of dissatisfying the capacity of a commodity.
- ✓ 2. It is the want of satisfying the capacity of a commodity.
- ✗ 3. It is the desire to satisfy the capacity of a commodity.
- ✗ 4. It is the want of dissatisfying the capacity of a commodity.

Q.93 The Kharif season in India is associated with the cultivation of which of the following crops?

Ans
- ✗ 1. Wheat
- ✗ 2. Gram
- ✗ 3. Barley
- ✓ 4. Rice

Q.94 Who wrote the book 'Women Freedom Fighters of India'?

Ans
- ✗ 1. EB Havell
- ✗ 2. Shashi Tharoor
- ✗ 3. Aravind Adiga
- ✓ 4. Sanjay Yadav

Q.95 Indian cricketer Virat Kohli equalled Sachin Tendulkar's record of the most ODI centuries with his 49th hundred against which country in November 2023?

Ans
- ✓ 1. South Africa
- ✗ 2. Pakistan
- ✗ 3. Australia
- ✗ 4. England

Q.96 In 1991, in order to make international adjustment the rupee was:

Ans
- ✗ 1. stabilised
- ✓ 2. devalued
- ✗ 3. printed
- ✗ 4. appreciated

Q.97 In which year was Gibberellic acid discovered by Eiichi Kurosawa, which is known to stimulate seed germination and cell proliferation?

Ans
- ✗ 1. 1910
- ✗ 2. 1975
- ✓ 3. 1926
- ✗ 4. 1950

Q.98 According to the basic road statistics (2017-18) provided by the Ministry of Road Transport and Highways, which state has the largest total surface road length in India?

Ans
- ✓ 1. Maharashtra
- ✗ 2. Uttar Pradesh
- ✗ 3. Madhya Pradesh
- ✗ 4. Rajasthan

Q.99 The World bank comprises of _____.

Ans
- ✗ 1. WTO
- ✗ 2. GATT
- ✗ 3. IMF
- ✓ 4. IBRD

Q.100 How has the advancement of technology impacted employment trends in India?

Ans
- ✗ 1. Technological advancement has had no significant impact on employment trends
- ✗ 2. Only manual and low-skill jobs have been affected by technological advancements
- ✓ 3. It has created new job opportunities, especially in the IT and service sectors, while also displacing traditional jobs
- ✗ 4. Technology has uniformly reduced employment opportunities across all sectors

Q.101 Which of the following is responsible for the protection and enforcement of Fundamental Rights in India?

Ans
- ✗ 1. Union Public Service Commission (UPSC)
- ✗ 2. National Human Rights Commission (NHRC)
- ✓ 3. Supreme Court of India
- ✗ 4. Election Commission of India

Q.102 Which of the following statements is/are true for the Carnatic Music in India?
1.Gitam is the simplest type of composition.
2.Khayal is a part of Carnatic Classical music.
3.Padas are scholarly compositions in Telugu and Tamil languages.

Ans
- ✗ 1. Both 1 and 2
- ✓ 2. Both 1 and 3
- ✗ 3. Only 2
- ✗ 4. Both 2 and 3

Q.103 Manohar Lal Khattar, who resigned in March 2024, was the Chief Minister of which of the following states of India?

Ans
- ✗ 1. Jharkhand
- ✓ 2. Haryana
- ✗ 3. Chhattisgarh
- ✗ 4. Goa

Q.104 The world's only multilateral decision-making forum on climate change with almost complete membership of every country in the world, the United Nations Climate Change Conference, COP28, took place at which place from 30 November to 12 December 2023?

Ans
- ✓ 1. Dubai
- ✗ 2. New Delhi
- ✗ 3. Baku
- ✗ 4. Glasgow

Q.105 Who among the following was the first Secretary of Bethune School established at Calcutta (now Kolkata)?

Ans
- ✓ 1. Ishwar Chandra Vidyasagar
- ✗ 2. Bal Gangadhar Tilak
- ✗ 3. Debendranath Tagore
- ✗ 4. Raja Ram Mohan Roy

Q.106 Name the scientist who developed the process of deciphering the genetic code in the living cells in the 1960s.

Ans
- ✗ 1. Archibald Garrod
- ✗ 2. Wilhelm Johannsen
- ✗ 3. Erich von Tschermak
- ✓ 4. Marshall Nirenberg

Q.107 Where was the inaugural edition of the India-Saudi Arabia Joint Military Exercise 'SADA TANSEEQ' conducted in 2024?

Ans
- ✓ 1. Mahajan, Rajasthan
- ✗ 2. Suratgarh, Rajasthan
- ✗ 3. Jaisalmer, Rajasthan
- ✗ 4. Jaipur, Rajasthan

Q.108 Which of the following is a form of folk music?

Ans
- ✗ 1. Dhrupad
- ✗ 2. Bhand pather
- ✗ 3. Sufiana kalam
- ✓ 4. Naworia-geet

Q.109 Which of the following states recorded a population of more than 10 crore in the Census of India 2011?

Ans
- ✗ 1. Rajasthan
- ✗ 2. Tamil Nadu
- ✗ 3. Madhya Pradesh
- ✓ 4. Bihar

Q.110 Cold sores are painful blisters caused by infection from which virus?

Ans
- ✗ 1. H7N9
- ✗ 2. WNV
- ✓ 3. HSV-1
- ✗ 4. HPV

Q.111 Kulottunga I was a king of which of the following dynasties?

Ans
- ✓ 1. Chola
- ✗ 2. Rashtrakuta
- ✗ 3. Gurjara-Partihara
- ✗ 4. Pandya

Q.112 The Barak River, a headstream of Meghna, rises in which of the following states?

Ans
- ✗ 1. Arunachal Pradesh
- ✗ 2. Assam
- ✓ 3. Manipur
- ✗ 4. West Bengal

Q.113 Which of the following is the standard unit of energy in the International System of Units (SI)?

Ans
- ✗ 1. Pascal (Pa)
- ✗ 2. Watt (W)
- ✗ 3. Newton (N)
- ✓ 4. Joule (J)

Q.114 _____ is a quantitative process of change of scale and size, which can be measured and aided by ethics and norms.

Ans
- ✗ 1. Evolution
- ✗ 2. Growth
- ✓ 3. Development
- ✗ 4. Progress

Q.115 Which writ is issued against executive and inferior judicial bodies to perform their duties which they have failed to perform?

Ans
- ✗ 1. Quo Warranto
- ✗ 2. Prohibition
- ✓ 3. Mandamus
- ✗ 4. Certiorari

Q.116 Which of the following sites is better known as a Chalcolithic Site?

Ans
- ✔ 1. Kayatha
- ✘ 2. Utnur
- ✘ 3. Mehrgarh
- ✘ 4. Burzahom

Q.117 During Delhi Sultanate period who brought capital back from Lahore to Delhi?

Ans
- ✘ 1. Chenghiz Khan
- ✔ 2. Iltutmish
- ✘ 3. Nasiruddin Qubacha
- ✘ 4. Qutbuddin Aibak

Q.118 Who among the following founded the 'Satya Shodhak Samaj', in 1873?

Ans
- ✘ 1. Radhakant Deb
- ✘ 2. Ishwar Chandra Vidyasagar
- ✘ 3. Raja Rammohan Roy
- ✔ 4. Jyotirao Govindrao Phule

Q.119 When was 'Victoria Memorial' built in India?

Ans
- ✘ 1. 1806
- ✘ 2. 1857
- ✘ 3. 1900
- ✔ 4. 1906

Q.120 What was the name of India’s first rocket with a single piece 3D printed engine launched from Sriharikota in May 2024?

Ans
- ✘ 1. Dhara
- ✔ 2. Agnibaan
- ✘ 3. Pushpak
- ✘ 4. Dhanush

2024/12/04-18:22:31

रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०१/२०२४ - CEN RPF - 01/2024

Community	OBC NCL
Test Center Name	iON Digital Zone iDZ Zoo Park Tirupathi
Test Date	03/12/2024
Test Time	12:30 PM - 2:00 PM
Subject	Recruitment of Sub Inspector Executive in Railway Protection Force and Railway Protection Special Force

*** 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 **A 185 m long train crosses a man walking at a speed of 9.9 km/h in the opposite direction in 6 seconds. What is the speed (in km/h) of the train?**

Ans
- ✔ 1. 101.09
- ✘ 2. 97.6
- ✘ 3. 104.2
- ✘ 4. 106.2

Q.2 **The expenditure of Sudha is 200% more than her savings. If her expenditure decreases by 6% and savings increase by 26%, then by what percent does her income increase?**

Ans
- ✘ 1. 0.07
- ✘ 2. 0.05
- ✔ 3. 0.02
- ✘ 4. 0.06

Q.3 **During sale, Raghav bought a notebook marked for ₹28 at 25% discount and a pen marked for ₹75 at 16% discount. How much (in ₹) did he save due to sale?**

Ans
- ✔ 1. 19
- ✘ 2. 17
- ✘ 3. 21
- ✘ 4. 18

Q.4 **Two trains of equal length are running on parallel lines in the same direction at speeds of 101 km/h and 71 km/h. The faster train passes the slower train in 18 seconds. The length of each train is:**

Ans
- ✘ 1. 72 meters
- ✔ 2. 75 meters
- ✘ 3. 88 meters
- ✘ 4. 83 meters

Q.5 **My kid brother is playing with a kite whose area is 15 sq cm and the sum of its diagonals is 11 cm. Find its diagonals in centimetres.**

Ans
- ✘ 1. 7, 4
- ✘ 2. 5.5, 5.5
- ✘ 3. 5.25, 5.75
- ✔ 4. 6, 5

Q.6 Two trains of equal length are running on parallel lines in the same direction at speeds of 76 km/h and 67 km/h. The faster train passes the slower train in 56 seconds. The length of each train is:

Ans
- ✗ 1. 80 meters
- ✗ 2. 79 meters
- ✓ 3. 70 meters
- ✗ 4. 74 meters

Q.7 If $19 \times 8 \times 940 \div \sqrt{2209} = y + 557$, then find the value of y.

Ans
- ✓ 1. 2483
- ✗ 2. 2488
- ✗ 3. 2479
- ✗ 4. 2481

Q.8 Ravi has 1458 litres of a mixture of milk and water. The ratio of milk to water in this mixture is 8 : 1. How much water (in litres) should Ravi add into the mixture so that the ratio of milk and water becomes 6 : 5?

Ans
- ✓ 1. 918
- ✗ 2. 909
- ✗ 3. 927
- ✗ 4. 900

Q.9 Raghu scored 34, 43, 21, and 28 marks in four consecutive slip tests conducted in his school. How much should he score in the fifth slip test in order to have an average score of 30 marks?

Ans
- ✓ 1. 24
- ✗ 2. 20
- ✗ 3. 22
- ✗ 4. 14

Q.10 Anmol completes his journey in 16 hours. He covers half the distance at 72 km/h and the rest at 56 km/h. What is the length of the journey (in Km)?

Ans
- ✗ 1. 1000
- ✗ 2. 1013
- ✓ 3. 1008
- ✗ 4. 999

Q.11 Given that $59^{0.46} = x$, $59^{0.21} = y$ and $x^z = y^5$, then the value of z is close to:

Ans
- ✗ 1. 0.17
- ✓ 2. 2.28
- ✗ 3. 4.83
- ✗ 4. 4.55

Q.12 The smallest 1-digit number to be added to the 6-digit number 874146 so that it is completely divisible by 11 is:

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

Q.13 A dishonest vendor claims that he is selling goods at their cost price. But he is weighing 652 grams for 1000 grams. What is his profit percentage (rounded off to 2 decimal places)?

Ans
- ✗ 1. 56.69
- ✗ 2. 53.46
- ✓ 3. 53.37
- ✗ 4. 51.75

Q.14 Which of the following ratio is smallest?

Ans

✗ 1. 29 : 31

✓ 2. 21 : 52

✗ 3. 28 : 42

✗ 4. 24 : 59

Q.15 The selling price of 50 books is equal to the cost price of 21 books. Find the loss or gain percentage.

Ans

✗ 1. $\frac{100}{29}\%\ gain$

✗ 2. $\frac{100}{29}\%\ loss$

✓ 3. 58 % loss

✗ 4. 58 % gain

Q.16 The smallest 1-digit number to be added to the 6-digit number 806039 so that it is completely divisible by 11 is:

Ans

✗ 1. 6

✗ 2. 3

✗ 3. 4

✓ 4. 8

Q.17 A bank offers 9.4% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹8716 each on 1 January and 1 July of a year. At the end of the year, the amount he would have gained by way of interest is _____. [Give your answer correct to 2 decimal places.]

Ans

✗ 1. ₹1256.82

✗ 2. ₹1228.2

✗ 3. ₹1238.89

✓ 4. ₹1248.2

Q.18 The marked price of an article is ₹492. The shopkeeper offers a discount of 39% on the purchase of the article. Thereby, he makes a profit of 22%. The cost price of the article is:

Ans

✗ 1. ₹259

✗ 2. ₹247

✗ 3. ₹220

✓ 4. ₹246

Q.19

Find the value of $50^{-3} \div 50^{15} \times 50^{-18}$

Ans

✗ 1. 50^{-27}

✓ 2. 50^{-36}

✗ 3. 50^{-30}

✗ 4. 50^{-37}

Q.20 A number when increased by 50 %', gives 3960. The number is:

Ans

✗ 1. 7920

✗ 2. 1320

✓ 3. 2640

✗ 4. 5280

Q.21 Find the least value of 'x' so that the 8-digit number 85264x16 is divisible by 8.

Ans

✗ 1. 1

✗ 2. 5

✗ 3. 3

✓ 4. 2

Q.22 The average of eight numbers is 19. The average of five of these numbers is 20. The average of the remaining three numbers is

Ans
✔ 1. 17.33
✘ 2. 19.33
✘ 3. 18.33
✘ 4. 16.33

Q.23 The ratio of numbers of girls and boys participating in sports of a school is 1 : 5. If the number of girls is 245, determine the number of boys participating in the sports.

Ans
✘ 1. 1200
✘ 2. 1245
✘ 3. 1255
✔ 4. 1225

Q.24 The average of 7 numbers is 43. If each number is decreased by 7, what will the new average be?

Ans
✘ 1. 29
✔ 2. 36
✘ 3. 43
✘ 4. 7

Q.25 The smallest natural number which is divisible by 12, 8, 75 and 15 is:

Ans
✘ 1. 610
✔ 2. 600
✘ 3. 690
✘ 4. 562

Q.26 The value of

$$\frac{2}{8}+\frac{3}{8}+\frac{3}{16}+\frac{4}{8}-4=$$

Ans
✘ 1. $-\frac{44}{16}$
✘ 2. $-\frac{33}{16}$
✔ 3. $-\frac{43}{16}$
✘ 4. $-\frac{50}{16}$

Q.27 What will be the remainder when 111^{2024} is divided by 112?

Ans
✘ 1. 3
✘ 2. 2
✘ 3. 4
✔ 4. 1

Q.28 If the volume of cube is 4096 m^3, then find the total surface area of cube in m^2.

Ans
✘ 1. 1558
✘ 2. 1514
✘ 3. 1548
✔ 4. 1536

Q.29 Nidhi invested a sum of ₹9600 at 15% per annum compound interest, componded annually. If she received an amount of ₹12696 after n years, the value of n is:

Ans

✗ 1. 1

✗ 2. 2.5

✗ 3. 3

✓ 4. 2

Q.30 Find the surface area of a sphere whose diameter is equal to 92 cm.

Ans

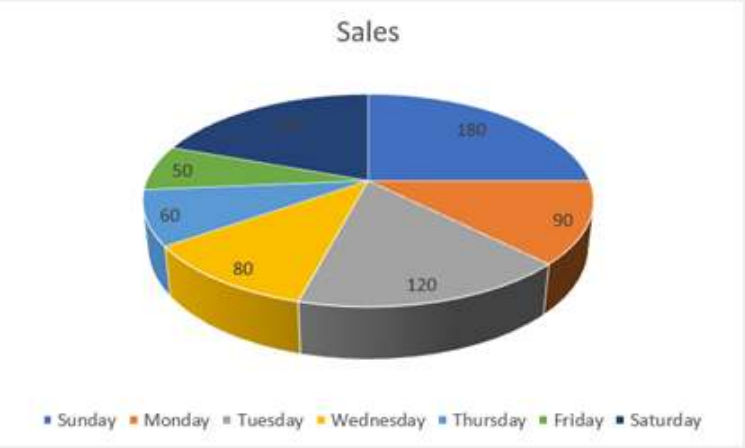
✓ 1. 8464 cm^2

✗ 2. 9073 cm^2

✗ 3. 8074 cm^2

✗ 4. 9329 cm^2

Q.31 The pie-chart shows the sales of an item on different days of a week.
Study the given pie-chart and answer the question that follows.



The angle made at the centre by the sales on Wednesday is (in degrees):

Ans

✗ 1. 60

✗ 2. 30

✗ 3. 50

✓ 4. 40

Q.32 Isha and Anshu together invested ₹49700 in a business. At the end of the year, out of a total profit of ₹8800, Isha's share was ₹2200. What was the investment of Anshu?

Ans

✗ 1. ₹37400

✓ 2. ₹37275

✗ 3. ₹37025

✗ 4. ₹36760

Q.33 How much sugar at ₹14.5 a kg should be added to 22 kg of tea at ₹25 a kg, so that the mixture be worth ₹18 a

Ans

✗ 1. 46 kg

✗ 2. 40 kg

✗ 3. 42 kg

✓ 4. 44 kg

Q.34 Find the simple interest (in ₹) on ₹2000 at 6.25% per annum rate of interest for the period from 11 February 2023 to 25 April 2023

Ans

✗ 1. 26

✗ 2. 24

✗ 3. 23

✓ 4. 25

Q.35 Find the value of $30^{-5} \div 30^{17} \times 30^{-16}$

Ans
✗ 1. 30^{-46}
✓ 2. 30^{-38}
✗ 3. 30^{-44}
✗ 4. 30^{-48}

Section : General Intelligence and Reasoning

Q.36 G, H, I, J, M, N and O are sitting around a square table facing the centre of the table.
Only G sits to the left of J. Only four people sit between G and H. Only O sits between N and I, and N is not an immediate neighbour of H.
Who sits at the extreme right of the line?

Ans
✗ 1. O
✗ 2. I
✓ 3. M
✗ 4. G

Q.37 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 that follows the same logic.

WAYS - WSAY - SWYA
FERN - FNER - NFRE

Ans
✗ 1. BONE - BEON - OBNE
✗ 2. BASE - ABSE - EASB
✗ 3. SOLD - SLOD - DLOS
✓ 4. GRAM - GMRA - MGAR

Q.38 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

QTV ORT MPR KNP ?

Ans
✓ 1. ILN
✗ 2. IKM
✗ 3. ILM
✗ 4. IKN

Q.39 In a certain code language, 'dreams come true' is coded as 'mp tb ko' and 'come on time' is coded as 'uk ko jb'. How is 'come' coded in the given language?

Ans
✓ 1. ko
✗ 2. tb
✗ 3. jb
✗ 4. uk

Q.40 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 3256378, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

Ans
✗ 1. 4
✓ 2. 8
✗ 3. 5
✗ 4. 7

Q.41 Each vowel in the word FORMATS 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. How many vowels are there in the group of letters thus formed?

Ans
✗ 1. 0
✗ 2. 3
✓ 3. 2
✗ 4. 1

Q.42 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 positions in the letter-cluster.)

Ans
✗ 1. OT - LP
✗ 2. IN - FJ
✓ 3. FK - CH
✗ 4. LQ - IM

Q.43 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 man out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
✗ 1. EAG
✗ 2. KGM
✓ 3. HCI
✗ 4. NJP

Q.44 This question is based on the following words.
BUS THE YOU DEN
In each of the words, each vowel is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

Ans
✓ 1. 3
✗ 2. 4
✗ 3. 2
✗ 4. 1

Q.45 This question is based on the five, three-digit numbers given below.
(Left) 672 745 462 378 417 (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. 28
✗ 2. 29
✗ 3. 25
✗ 4. 27

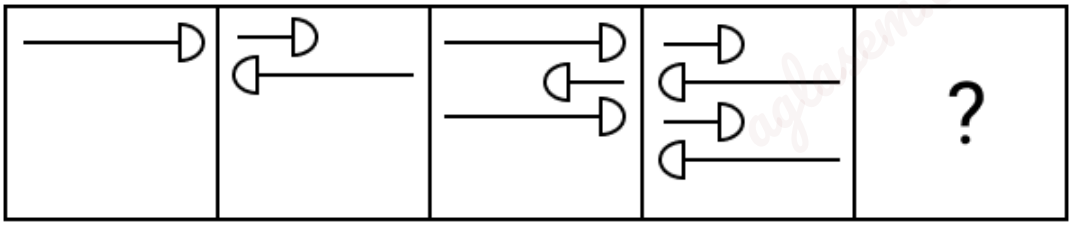
Q.46 In a certain code language, 'explore new opportunities' is written as 'ab tb mb' and 'opportunities await you' is coded as 'tb kb cb'. How is 'opportunities' coded in the given language?

Ans
✗ 1. kb
✓ 2. tb
✗ 3. mb
✗ 4. ab

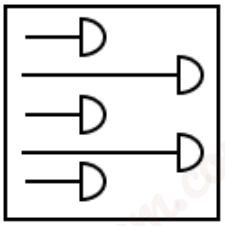
Q.47 Aman starts from Point A and drives 6 km towards West. He then takes a left turn, drives 3 km, turns right and drives 5 km. He then takes a right turn and drives 3 km. He takes a final right turn, drives 4 km and stops at Point B. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)

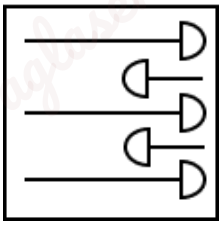
Ans
✗ 1. 5 km towards West
✗ 2. 7 km towards West
✗ 3. 5 km towards North
✓ 4. 7 km towards East

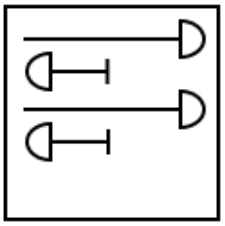
Q.48 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

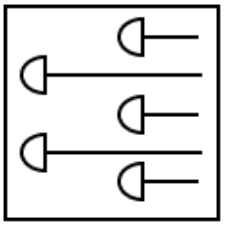


Ans

✗ 1.


✓ 2.


✗ 3.


✗ 4.


Q.49 Each of the digits in the number 6147385 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

Ans
✓ 1. One
✗ 2. None
✗ 3. Two
✗ 4. Three

Q.50 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

YAC37, HJL46, QSU55, ZBD64, ?

Ans
✗ 1. IYO73
✓ 2. IKM73
✗ 3. IKV73
✗ 4. JYV73

Q.51 I, J, K, L, M, N and W are sitting around a circular table facing the centre of the table. Only one person sits between L and J, when counted from the right of L. Only one person sits between J and N. Only one person sits between L and W. Only two people sit between M and N. Only one person sits between K and W. How many people sit between I and J, when counted from the right of I?

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

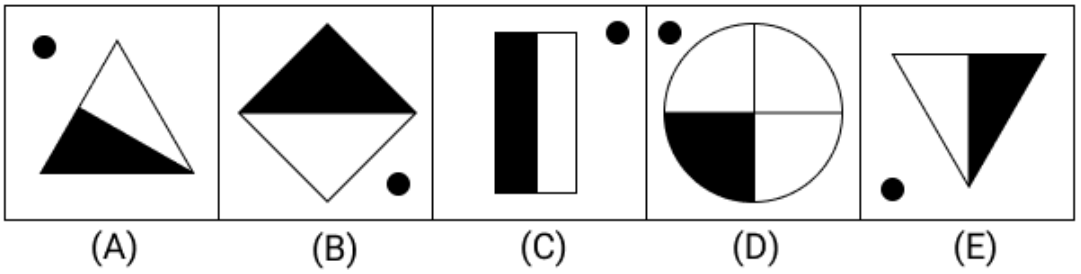
Q.52 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
All tables are desks.
All desks are boards.
Some tables are chairs.
Conclusions:
(I): Some desks are chairs.
(II): Some boards are chairs.

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.53 A - B means 'A is the son of B',
A $ B means 'A is the sister of B',
A @ B means 'A is the daughter of B' and
A * B means 'A is the father of B'.
Based on the above information, which of the following means that W is the sister's son of S?

Ans
✗ 1. W * E - A $ K @ S
✗ 2. W @ E - A $ K * S
✗ 3. W $ E * A - K @ S
✓ 4. W - E @ A * K $ S

Q.54 Four of the following five figures are alike in a certain way and thus form a group. Which figure DOES NOT belong to that group?



Ans
✓ 1. D
✗ 2. A
✗ 3. B
✗ 4. C

Q.55 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1675843, what will be difference between the highest and lowest digits in the new number thus formed?

Ans
✗ 1. 8
✓ 2. 6
✗ 3. 2
✗ 4. 4

Q.56 Refer to the following letter, number and symbol series and answer the question that follows. Counting to be done from left to right only.
(Left) © K % O $ 3 L © X # # 8 Z R © F 1 N 8 % Q N (Right)
If all the letters are dropped from the series, which of the following will be fifth from the left?

Ans
✗ 1. 8
✗ 2. 3
✓ 3. ©
✗ 4. #

Q.57 Each of A, B, C, D, P, Q and R has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. No one has exam before D. Only three people have exam between D and Q. Only one person has exam between Q and R. B has exam on Wednesday. A has exam on one of the days after C but on one of the days before P. On which day of the week does A have exam?

Ans
- ✔ 1. Thursday
- ✘ 2. Saturday
- ✘ 3. Monday
- ✘ 4. Tuesday

Q.58 Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

FA-HD-KN
ID-KG-NQ

Ans
- ✘ 1. LG-NJ-QS
- ✘ 2. KG-NJ-QS
- ✘ 3. KG-NI-QS
- ✔ 4. LG-NJ-QT

Q.59 All 59 people are standing in a row facing north. Wang is 2nd from the left end while Chow is 1st from the right end. How many people are there between Wang and Chow?

Ans
- ✔ 1. 56
- ✘ 2. 58
- ✘ 3. 66
- ✘ 4. 43

Q.60 B is the son of A. C is the wife of B. D is the daughter of C. E is the son of B. How is E related to A?

Ans
- ✘ 1. Brother's son
- ✘ 2. Brother
- ✘ 3. Daughter
- ✔ 4. Son's son

Q.61 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 man out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✔ 1. KM-PS
- ✘ 2. CE-HJ
- ✘ 3. OQ-TV
- ✘ 4. GI-LN

Q.62 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. R has an exam on Thursday. Exactly 4 people have their exam between U and Q, neither of whom has an exam on Sunday. P 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 an exam after Q?

Ans
- ✘ 1. 4
- ✔ 2. 1
- ✘ 3. 3
- ✘ 4. 2

Q.63 In a certain code language, 'FAIR' is coded as '3716' and 'ARID' is coded as '3169'. What is the code for 'D' in the given code language?

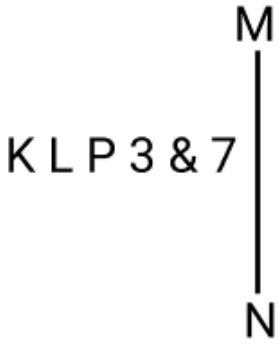
Ans
- ✔ 1. 9
- ✘ 2. 1
- ✘ 3. 6
- ✘ 4. 3

Q.64 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 ::?

 # : CJP :: NUA : %

Ans
- ✔ 1. # = YFL; % = RYE
- ✘ 2. # = ZFL; % = RYE
- ✘ 3. # = YFL; % = SYE
- ✘ 4. # = YFL; % = RYF

Q.65 Select the correct mirror image of the given figure when the mirror is placed at line MN as shown.



Ans
- ✘ 1. ⅂ ꝺ Ɛ K L P
- ✘ 2. ∠ ꝺ Ɛ ꟻ ⅃ ʞ
- ✔ 3. ⅂ ꝺ Ɛ ꟻ ⅃ ʞ
- ✘ 4. ⅂ ϧ 3 ꝺ ⅃ ʞ

Q.66 N, D, L, M, O, B and T have different heights. D is shorter than only two people. There are only three people who have heights between D and B. There are only two people who are taller than O but shorter than N. Only M is taller than N. T is taller than L. Who is the second shortest?

Ans
- ✔ 1. L
- ✘ 2. T
- ✘ 3. M
- ✘ 4. N

Q.67 Qars starts from Point A and drives 13 km towards north. He then takes a right turn, drives 11 km, turns right and drives 25 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 12 km and stops at Point P. How far (the 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. 7 km towards east
- ✔ 2. 8 km towards east
- ✘ 3. 9 km towards west
- ✘ 4. 6 km towards west

Q.68 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

13 - 26 - 30 - 22; 17 - 34 - 38 - 30

Ans
- ✘ 1. 21 - 42 - 56 - 38
- ✘ 2. 25 - 50 - 68 - 60
- ✘ 3. 20 - 60 - 64 - 46
- ✔ 4. 9 - 18 - 22 - 14

Q.69 **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.)
(34, 108, 7)
(33, 121, 23)

Ans
✗ 1. (12, 62, 23)
✗ 2. (41, 131, 5)
✓ 3. (48, 147, 4)
✗ 4. (36, 135, 24)

Q.70 **Select the numbers from among the given options that can replace the question marks (?) in the following series.**

81 84 90 99 111 ? 144 ?

Ans
✗ 1. 127, 164
✗ 2. 124, 170
✗ 3. 125, 171
✓ 4. 126, 165

Section : **General Awareness**

Q.71 **In January 2015, the Government of India replaced the Planning Commission with:**

Ans
✗ 1. ICICI
✓ 2. NITI Aayog
✗ 3. NLCIL
✗ 4. IDBI

Q.72 **Which of the following constitutional bodies is responsible for ensuring Free and Fair Elections?**

Ans
✗ 1. President of India
✗ 2. Supreme Court of India
✓ 3. Election Commission of India
✗ 4. Parliament of India

Q.73 **Which of the following parts of the Indian Constitution deals with the Fundamental Duties?**

Ans
✗ 1. Part III A
✗ 2. Part V A
✗ 3. Part VI A
✓ 4. Part IV A

Q.74 **Which of the following indigenous tribes celebrates the Mopin festival?**

Ans
✗ 1. Pawra
✗ 2. Bhil tribe
✓ 3. Galo tribe
✗ 4. Bhagalia tribe

Q.75 **Which edition of the Khelo India Para Games (KIPG) 2023 was held at New Delhi in December 2023?**

Ans
✓ 1. Inaugural
✗ 2. Fifth
✗ 3. Sixth
✗ 4. Second

Q.76 **The members of the constituent assembly were elected by _____.**

Ans
✗ 1. universal franchise
✓ 2. provincial legislatures
✗ 3. the eminent leaders of congress party
✗ 4. the British government

Q.77 In which year did the Government of India launch the Smart Cities Mission?

Ans
- ✗ 1. 2017
- ✓ 2. 2015
- ✗ 3. 2016
- ✗ 4. 2018

Q.78 To which Gharana did the renowned singer Girija Devi, known for her 'Thumri' renditions, belong?

Ans
- ✓ 1. Benaras Gharana
- ✗ 2. Indore Gharana
- ✗ 3. Jaipur Gharana
- ✗ 4. Bhendi Bazaar Gharana

Q.79 Dinesh K Tripathi became the Chief of _____ in January 2024.

Ans
- ✓ 1. Naval Staff
- ✗ 2. Air Force
- ✗ 3. Coast Guard
- ✗ 4. Armed Forces

Q.80 Asia's first pre-clinical network facility was inaugurated in which of the following Indian cities in July 2024?

Ans
- ✓ 1. Faridabad
- ✗ 2. Chennai
- ✗ 3. Bhubaneswar
- ✗ 4. Lucknow

Q.81 Which of the following is NOT a Poverty Estimation Committee?

Ans
- ✓ 1. Kothari Committee
- ✗ 2. Lakdawala Committee
- ✗ 3. Alagh Committee
- ✗ 4. Tendulkar Committee

Q.82 The Mumbai High Field (previously Bombay High Field) discovered by the Russian and Indian team from the seismic exploration vessel Academic Arkhangelsky in February 1974, commenced production in which year?

Ans
- ✗ 1. 1978
- ✗ 2. 1975
- ✗ 3. 1981
- ✓ 4. 1976

Q.83 Who among the following was associated with 'Ulgulan movement'?

Ans
- ✗ 1. Budhu Bhagat
- ✗ 2. Tirot Sing
- ✗ 3. Tilka Manjhi
- ✓ 4. Birsa Munda

Q.84 Which of the following places was made the capital of the Rashtrakutas by Dantidurga?

Ans
- ✗ 1. Kanchi
- ✓ 2. Manyakheta
- ✗ 3. Kannauj
- ✗ 4. Pataliputra

Q.85 Excessive production of which of the following hormones in the body causes the Cushing's syndrome, leading to weight gain and thinning of the skin?

Ans
- ✗ 1. Vasopressin
- ✗ 2. Melatonin
- ✗ 3. Erythropoietin
- ✓ 4. Cortisol

Q.86 Jishnu Dev Varma, who was appointed as Governor of Telangana in July 2024, was the Former Deputy Chief Minister of which of the following states of India?

Ans
- ✗ 1. Kerala
- ✗ 2. Mizoram
- ✗ 3. Madhya Pradesh
- ✓ 4. Tripura

Q.87 Who among the following was appointed as the new Director General of the Geological Survey of India (GSI) in June 2024?

Ans
- ✓ 1. Asit Saha
- ✗ 2. Sanjay Behari
- ✗ 3. L Murugan
- ✗ 4. Virendra Kumar

Q.88 Who is author of the book 'Rays and Ways of Indian Culture'?

Ans
- ✗ 1. Romila Thapar
- ✗ 2. Jhumpa Lahiri
- ✓ 3. DP Dubey
- ✗ 4. Gayatri Sinha

Q.89 What is the primary goal of fiscal consolidation?

Ans
- ✗ 1. Reducing inflation
- ✓ 2. Reducing Government debt
- ✗ 3. Stimulating economic growth
- ✗ 4. Increasing consumer expenditure

Q.90 Researchers at IIT Bombay developed an instrument named GoIDN for mechanically recycling waste plastic polymers through _____.

Ans
- ✗ 1. shredding
- ✓ 2. melt mixing
- ✗ 3. pyrolysis
- ✗ 4. compression

Q.91 **Match the following correctly.**

Set-I	Set-II
a. Naathmuni	1. Sanak Sampradaya
b. Shankaracharya	2. Sri Vaisnav Sampradaya
c. Raamanuj	3. Advait
d. Nimbark	4. Vishishtadvait

Ans
- ✗ 1. a - 3, b - 4, c - 1, d - 2
- ✓ 2. a - 2, b - 3, c - 4, d - 1,
- ✗ 3. a - 4, b - 3, c - 2, d - 1
- ✗ 4. a - 3, b - 4, c - 2, d -1,

Q.92 Name the viral infection that is also known as 'Shingles' and causes painful rashes or blisters on the skin.

Ans
- ✓ 1. Herpes Zoster
- ✗ 2. Herpes Cytomegalo
- ✗ 3. Herpes Epstein-Barr
- ✗ 4. Herpes Simplex

Q.93 Which of the following falls in an area of low rainfall?

Ans
- ✗ 1. Tamil Nadu
- ✗ 2. Meghalaya
- ✓ 3. Rajasthan
- ✗ 4. Bihar

Q.94 Reserpine, an indole alkaloid drug used to reduce high blood pressure, is obtained from_____.

Ans
- ✔ 1. rauvolfia serpentina
- ✘ 2. cinchona officinarum
- ✘ 3. papaver somniferum
- ✘ 4. digitalis purpurea

Q.95 Which of the following pairs (seasons and months, according to the Indian Calendar) is INCORRECT?

Ans
- ✘ 1. Varsha : Sravana-Bhadra
- ✘ 2. Vasanta : Chaitra-Vaisakha
- ✔ 3. Hemanta : Magha-Phalguna
- ✘ 4. Sharada : Asvina-Kartika

Q.96 Which of the following is a significant challenge faced by microfinance institutions in India?

Ans
- ✘ 1. An oversupply of funds from international donors
- ✘ 2. Lack of interest from rural populations
- ✘ 3. High repayment rates by borrowers
- ✔ 4. Regulatory changes impacting operational flexibility

Q.97 The Indian Navy's trilateral exercise known as 'IMT TRILAT' was held jointly with:

Ans
- ✔ 1. Mozambique and Tanzania
- ✘ 2. Sudan and Ethiopia
- ✘ 3. Egypt and Zimbabwe
- ✘ 4. Nigeria and Uganda

Q.98 Article 19(1)(a) of the Indian Constitution refers to _____.

Ans
- ✘ 1. right to equality
- ✔ 2. freedom of speech and expression
- ✘ 3. right against exploitation
- ✘ 4. cultural educational rights

Q.99 Pallavi, Anupallavi and Mukthayi-Svara, collectively known as Purvanga, belong to which Carnatic music genre?

Ans
- ✘ 1. Gitam
- ✘ 2. Javali
- ✘ 3. Suladi
- ✔ 4. Varnam

Q.100 Indian para-athlete Sumit Antil won a gold medal in which event at the Paris 2024 Paralympic Games?

Ans
- ✘ 1. Men's Shot Put
- ✘ 2. Men's High Jump
- ✔ 3. Men's Javelin Throw
- ✘ 4. Men's Club Throw

Q.101 Who among the following had the shortest tenure as the President of India?

Ans
- ✘ 1. Jawaharlal Nehru
- ✔ 2. Zakir Husain
- ✘ 3. Rajendra Prasad
- ✘ 4. Lal Bahadur Shastri

Q.102 In which of the following cities of India was the three-day national horticultural fair-2024 of the Indian Institute of Horticultural Research (IIHR) on the theme 'Nextgen technology led horticulture for sustainable development' organised in March 2024?

Ans
- ✔ 1. Bengaluru
- ✘ 2. Panaji
- ✘ 3. Shillong
- ✘ 4. Hyderabad

Q.103 Which of the following states have a higher percentage of multi-dimensionally poor?

Ans

✗ 1. Madhya Pradesh

✓ 2. Bihar

✗ 3. Uttar Pradesh

✗ 4. Jharkhand

Q.104 Bindusara ruled between which of the following periods?

Ans

✗ 1. 295 B.C.E. to 270 B.C.E.

✓ 2. 297 B.C.E. to 273 B.C.E.

✗ 3. 299 B.C.E. to 275 B.C.E.

✗ 4. 293 B.C.E. to 271 B.C.E.

Q.105 Who among the following woman social reformers, who educated at home at Poona and published a book, 'Stripurushtulna'?

Ans

✗ 1. Begum Rokeya Sakhawat Hossain

✗ 2. Savitribai Phule

✓ 3. Tarabai Shinde

✗ 4. Fatima Sheikh

Q.106 According to the Census 2011, which of the following union territories has the highest population growth?

Ans

✗ 1. Delhi

✗ 2. Puducherry

✗ 3. Lakshadweep

✓ 4. Daman and Diu

Q.107 Who among the following founded Gurjara-Pratihara dynasty after winning Kannauj in the tripartite struggle?

Ans

✓ 1. Nagabhata I

✗ 2. Mihira Bhoja

✗ 3. Vatsaraja

✗ 4. Rampal

Q.108 Which of the following statements is correct regarding the Andaman and Nicobar Islands?

Ans

✓ 1. The Andaman and Nicobar Islands are strategically important and have great diversity in flora and fauna.

✗ 2. The Andaman and Nicobar Islands are entirely made up of coral formations.

✗ 3. The Andaman and Nicobar Islands have a temperate climate with sparse forest cover.

✗ 4. The Andaman and Nicobar Islands lie far from the equator and experience minimal rainfall.

Q.109 Diazonium salt is formed by treating primary amine with which Brønsted acid?

Ans

✗ 1. Sulphurous acid

✗ 2. Phosphorous acid

✓ 3. Nitrous acid

✗ 4. Chlorous acid

Q.110 In which of the following years was GATT established?

Ans

✗ 1. 1949

✗ 2. 1946

✗ 3. 1947

✓ 4. 1948

Q.111 Which edition of the World Future Energy Summit was held in Abu Dhabi in April 2024?

Ans

✗ 1. 20^{th}

✗ 2. 14^{th}

✗ 3. 12^{th}

✓ 4. 16^{th}

Q.112 The _____ has appellate jurisdiction on all subordinate courts in the district.

Ans
- ✔ 1. District Court
- ✘ 2. Prime Minister of India
- ✘ 3. Vice President of India
- ✘ 4. President of India

Q.113 As per the Census 2011, which of the following union territories has the highest literacy rate?

Ans
- ✘ 1. Chandigarh
- ✘ 2. Puducherry
- ✔ 3. Daman and Diu
- ✘ 4. Delhi

Q.114 The angle between the vector A = 3i + 6j − 2k and B = 4i − j + 3k is:

Ans
- ✔ 1. 90°
- ✘ 2. 60°
- ✘ 3. 30°
- ✘ 4. 45°

Q.115 How many Indian crew were present on oil tanker 'Advantage Sweet' which was seized by Iranian authorities in April 2023 and released in October 2023?

Ans
- ✔ 1. 23
- ✘ 2. 20
- ✘ 3. 26
- ✘ 4. 16

Q.116 Which of the following is a Foreign Bank?

Ans
- ✘ 1. Canara Bank
- ✘ 2. Axis Bank
- ✘ 3. HDFC Bank
- ✔ 4. BNP Paribas

Q.117 A saccharimeter is a type of _____.

Ans
- ✘ 1. pressure gauge
- ✘ 2. diffractometer
- ✔ 3. polarimeter
- ✘ 4. interferometer

Q.118 What was India's rank in the Corruption Perceptions Index (CPI) for 2023?

Ans
- ✘ 1. 111
- ✘ 2. 121
- ✘ 3. 83
- ✔ 4. 93

Q.119 In which of the following years did Mamata Banerjee found All India Trinamool Congress?

Ans
- ✘ 1. 2001
- ✘ 2. 2003
- ✘ 3. 1995
- ✔ 4. 1998

Q.120 **Which of the following statements about the cardinal features of the political system in India are correct?**

1. It is a democratic republic.
2. It has a Parliamentary form of government.
3. The Supreme Power draws its power from the people of India.
4. It provides for a unified authority.

Ans

✔ 1. Only 1, 2 and 3

✘ 2. Only 3 and 4

✘ 3. Only 1 and 2

✘ 4. 1, 2, 3 and 4

2024/12/04-19:55:51

रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०१/२०२४ - CEN RPF - 01/2024

Community	ST
Test Center Name	iON Digital Zone iDZ Luthergiri
Test Date	03/12/2024
Test Time	4:00 PM - 5:30 PM
Subject	Recruitment of Sub Inspector Executive in Railway Protection Force and Railway Protection Special Force

*** 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 **Evaluate 85^2**

Ans
✗ 1. 7235
✗ 2. 7195
✓ 3. 7225
✗ 4. 7245

Q.2 **LCM and HCF of two numbers are 192 and 32 respectively. If one of the numbers is 64, then find the other number.**

Ans
✗ 1. 97
✗ 2. 93
✓ 3. 96
✗ 4. 99

Q.3 How much water should be mixed in 40 litres of milk worth ₹6.90 per litre, so that the value of the mixture is ₹4.60 per litre?

Ans
✗ 1. 25 litres
✗ 2. 15 litres
✗ 3. 10 litres
✓ 4. 20 litres

Q.4 **A train runs at a speed of 137 kmph to cover a distance of 411 km and then at a speed of 109 kmph to cover a distance of 327 km. Find the average speed of the train for the entire distance.**

Ans
✓ 1. 123 kmph
✗ 2. 115 kmph
✗ 3. 87 kmph
✗ 4. 125 kmph

Q.5 **If 25% of a number is added to 72, then the result is the same number. 60% of the same number is:**

Ans
✗ 1. 87.6
✗ 2. 77.6
✗ 3. 27.6
✓ 4. 57.6

Q.6 **Find the circumference (in m) of the largest circle that can be inscribed in a rectangle whose dimensions are given as 250 m and 126 m.**

$take\ \pi = \frac{22}{7}$

Ans
✓ 1. 396
✗ 2. 391
✗ 3. 393
✗ 4. 395

Q.7 **The average of 7 numbers is 45. If each number is decreased by 5, what will the new average be?**

Ans
✓ 1. 40
✗ 2. 45
✗ 3. 7
✗ 4. 35

Q.8 Find the circumference (in m) of the largest circle that can be inscribed in a rectangle whose dimensions are given as 56 m and 154 m.

$take\ \pi = \frac{22}{7}$

Ans
- ✔ 1. 176
- ✘ 2. 173
- ✘ 3. 174
- ✘ 4. 171

Q.9 Three partners invested in a business in the ratio 3:9:8. They invested their capitals for 10 months, 1 months and 4 months, respectively. What was the ratio of their profits?

Ans
- ✘ 1. 28:9:32
- ✘ 2. 32:9:32
- ✘ 3. 31:9:32
- ✔ 4. 30:9:32

Q.10 A bank offers 6.6% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹4823 each on 1 January and 1 July of a year. At the end of the year, the amount he would have gained by way of interest is _____. [Give your answer correct to 2 decimal places.]

Ans
- ✘ 1. ₹479.07
- ✘ 2. ₹462.72
- ✘ 3. ₹474.94
- ✔ 4. ₹482.72

Q.11 David sold 172 chairs and had a gain equal to the selling price of 86 chairs. What is his profit percentage?

Ans
- ✘ 1. 95%
- ✘ 2. 110%
- ✔ 3. 100%
- ✘ 4. 105%

Q.12 The areas of three adjacent faces of a solid cuboid are 127 cm^2, 32 cm^2 and 254 cm^2. What is the volume (in cm^3) of the cuboid?

Ans
- ✘ 1. 941
- ✘ 2. 963
- ✘ 3. 1163
- ✔ 4. 1016

Q.13 Four years ago, the average age of P, Q and R was 25 years. If three years ago, the average age of P and Q was 20 years, find the present age of R.

Ans
- ✘ 1. 34 years
- ✔ 2. 41 years
- ✘ 3. 38 years
- ✘ 4. 35 years

Q.14 If $x = 2 + \sqrt{9}$ and $y = 2 - \sqrt{9}$ then the value of $x^2 + y^2$ is:

Ans
- ✘ 1. 9
- ✘ 2. 15
- ✘ 3. 22
- ✔ 4. 26

Q.15 Latika and Himani together invested ₹47800 in a business. At the end of the year, out of a total profit of ₹7500, Latika's share was ₹2700. What was the investment of Himani?

Ans
- ✘ 1. ₹31305
- ✔ 2. ₹30592
- ✘ 3. ₹32405
- ✘ 4. ₹28855

Q.16 A sum, when invested at 20% simple interest per annum, amounts to ₹2160 after 4 years. What is the simple interest (in ₹) on the same sum at the same rate in 2 year?

Ans
- ✘ 1. 1920
- ✔ 2. 480
- ✘ 3. 240
- ✘ 4. 960

Q.17 Express the following into a vulgar fraction.

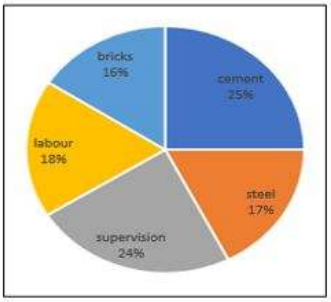
$0.4\overline{2} + 0.\overline{42}$

Ans
- ✔ 1. $\frac{838}{990}$
- ✘ 2. $\frac{838}{999}$
- ✘ 3. $\frac{834}{990}$
- ✘ 4. $\frac{834}{999}$

Q.18 A train runs at a speed of 81 kmph to cover a distance of 405 km and then at a speed of 88 kmph to cover a distance of 176 km. Find the average speed of the train for the entire distance.

Ans
- ✔ 1. 83 kmph
- ✘ 2. 53 kmph
- ✘ 3. 133 kmph
- ✘ 4. 129 kmph

Q.19 The given pie chart shows the breakup of the cost of construction of an office.



If the total cost of construction is ₹9,00,000, by how much does the amount spent on cement exceed the amount spent on labour?

Ans
- ✔ 1. ₹63,000
- ✘ 2. ₹55,000
- ✘ 3. ₹45,000
- ✘ 4. ₹54,000

Q.20 If at same rate of interest, in 2 years, the simple interest is ₹60 and compound interest is ₹64, then what is the principal (in ₹)?

Ans
- ✘ 1. 218
- ✘ 2. 220
- ✔ 3. 225
- ✘ 4. 229

Q.21 A shopkeeper marks an article at ₹x and offers a discount of 60% on it. He sells it for ₹444 after charging VAT of 25% on the discounted price. What is the value of ₹ x?

Ans
- ✘ 1. ₹900
- ✘ 2. ₹700
- ✔ 3. ₹888
- ✘ 4. ₹1100

Q.22 During sale, Raghav bought a notebook marked for ₹50 at 40% discount and a pen marked for ₹32 at 50% discount. How much (in ₹) did he save due to sale?

Ans
- ✘ 1. 39
- ✘ 2. 33
- ✘ 3. 38
- ✔ 4. 36

Q.23 The average price of three items of furniture is Rs 16020. If their prices are in the ratio 3:5:7, the price of the costliest item (in Rs) is

Ans
- ✘ 1. 3204
- ✘ 2. 7476
- ✘ 3. 5340
- ✔ 4. 22428

Q.24 Express the following into vulgar fraction.

$0.6\overline{41} + 0.\overline{23}$

Ans
- ✔ 1. $\frac{173}{198}$
- ✘ 2. $\frac{173}{999}$
- ✘ 3. $\frac{173}{199}$
- ✘ 4. $\frac{173}{99}$

Q.25 A number when increased by 50 %', gives 3870. The number is:

Ans
- ✔ 1. 2580
- ✘ 2. 7740
- ✘ 3. 1290
- ✘ 4. 5160

Q.26 By selling an article at $\frac{2}{5}$ of its actual selling price, Ramesh incurs a loss of 16%. If he sells it at 73% of its actual selling price, then

Ans
- ✗ 1. 52.7%
- ✓ 2. 53.3%
- ✗ 3. 54.7%
- ✗ 4. 52.1%

Q.27 The area of a square plot is 841 m^2. The length of each side of the plot (in m) is:

Ans
- ✗ 1. 39
- ✗ 2. 31
- ✗ 3. 41
- ✓ 4. 29

Q.28 LCM and HCF of two numbers are 150 and 5 respectively. If one of the numbers is 15, then find the other number.

Ans
- ✗ 1. 49
- ✗ 2. 52
- ✓ 3. 50
- ✗ 4. 48

Q.29 A train runs at a speed of 148 kmph to cover a distance of 296 km and then at a speed of 98 kmph to cover a distance of 294 km. Find the average speed of the train for the entire distance.

Ans
- ✗ 1. 114 kmph
- ✗ 2. 132 kmph
- ✗ 3. 131 kmph
- ✓ 4. 118 kmph

Q.30 The value of

$$\frac{5}{5}+\frac{5}{5}+\frac{4}{10}+\frac{1}{5}-2=$$

Ans
- ✗ 1. $\frac{3}{10}$
- ✓ 2. $\frac{6}{10}$
- ✗ 3. $\frac{1}{10}$
- ✗ 4. $-\frac{1}{10}$

Q.31 A man walks to a viewpoint and returns to the starting point by his car maintaining constant speed and thus takes a total time of 9 hours 30 minutes. He would have gained 7 hours by driving both ways. How long would it have taken for him to walk both ways with same walking speed?

Ans
- ✗ 1. 17 hours 30 minutes
- ✗ 2. 16 hours 45 minutes
- ✗ 3. 15 hours 15 minutes
- ✓ 4. 16 hours 15 minutes

Q.32 The smallest natural number which is divisible by 15, 63, 21 and 70 is:

Ans
- ✗ 1. 531
- ✗ 2. 632
- ✓ 3. 630
- ✗ 4. 587

Q.33 Lalit's average earning per month in the first three months of a year was ₹38360. In April, his earning was 50% more than the average earning in the first three months. If his average earning per month for the whole year is ₹55065, then what will be Lalit's average earning (in ₹) per month from May to December?

Ans
- ✓ 1. 61020
- ✗ 2. 61018
- ✗ 3. 61025
- ✗ 4. 61015

Q.34 If third proportional of 36 and 18 be x, then what is the value of x?

Ans
- ✗ 1. 11
- ✗ 2. 7
- ✗ 3. 10
- ✓ 4. 9

Q.35 Find the least of value of 'x' so that the number 9052743x2 is divisible by 8.

Ans
- ✗ 1. 3
- ✗ 2. 8
- ✗ 3. 7
- ✓ 4. 9

Section : General Intelligence and Reasoning

Q.36 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 3617845, which of the following digits will be second from the left in the new number thus formed?

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

Q.37 Select the number from among the given options that can replace the question mark (?) in the following series.

143 170 234 359 ?

Ans
- ✗ 1. 573
- ✓ 2. 575
- ✗ 3. 535
- ✗ 4. 555

Q.38 In a certain code language, 'GIFT' is coded as '5173' and 'FLOW' is coded as '4612'. What is the code for 'F' in the given code language?

Ans
- ✓ 1. 1
- ✗ 2. 2
- ✗ 3. 7
- ✗ 4. 4

Q.39 NHLO is related to SMQT in a certain way based on the English alphabetical order. In the same way, PJNQ is related to UOSV. To which of the following is RLPS related, following the same logic?

Ans
- ✗ 1. QWUX
- ✓ 2. WQUX
- ✗ 3. WQXU
- ✗ 4. QWXU

Q.40 D, E, F, G, H, I and T are sitting around a circular table facing the centre of the table. F sits third to the left of H. Only one person sits between H and T when counted from the left of T. Only two people sit between G and I when counted from the right of I. D is an immediate neighbour of G. Who sits third to the right of E?

Ans
- ✗ 1. I
- ✗ 2. T
- ✓ 3. F
- ✗ 4. D

Q.41 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

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

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

Ans
- ✗ 1. 6
- ✗ 2. 7
- ✗ 3. 4
- ✓ 4. 5

Q.42 Seven boxes, C, D, E, F, G, H and P, are kept one over the other but not necessarily in the same order. Only one box is kept below C. Only three boxes are kept between C and H. F is kept at one of the positions below C. Only P is kept between H and G. E is kept at one of the positions above H. How many boxes are kept between D and F?

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

Q.43 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 positions in the letter-cluster.)

Ans
- ✓ 1. CG - JB
- ✗ 2. LP - SJ
- ✗ 3. IM - PG
- ✗ 4. FJ - MD

Q.44 A is the sister of B's daughter C. K is the mother of C, and L is the father of K. How is A related to L?

Ans
- ✗ 1. Daughter's son
- ✓ 2. Daughter's daughter
- ✗ 3. Son's son
- ✗ 4. Son's daughter

Q.45 Rahul starts from Point A and drives 7 km towards East. He then takes a right turn, drives 2 km, turns right and drives 4 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 3 km and stops at Point B. 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. 6 km towards North
- ✓ 2. 4 km towards South
- ✗ 3. 11 km towards East
- ✗ 4. 11 km towards North

Q.46 In a certain code language, 'stay always positive' is coded as 'tk mp bk' and 'always on time' is coded as 'lj tk mo'. How is 'always' coded in the given language?

Ans
- ✗ 1. bk
- ✓ 2. tk
- ✗ 3. lj
- ✗ 4. mo

Q.47 This question is based on the five, three-digit numbers given below.

(Left) 157 643 351 267 872 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE: All operations to be done from left to right.

If all the numbers are arranged in descending order, the position(s) of how many numbers will remain unchanged?

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

Q.48 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 shirts are pants.
All pants are trousers.
Some pants are coats.
Conclusions:
(I): Some trousers are coats.
(II): Some shirts are coats.

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.

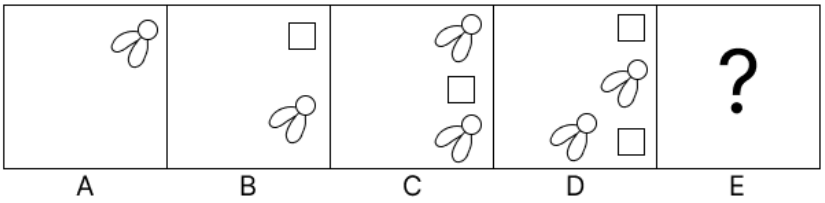
Q.49 In a certain code language, 'ROMS' is coded as '2613' and 'WORM' is coded as '8326'. What is the code for 'W' in the given code language?

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

Q.50 Seven boxes U, V, W, X, P, Q and R are kept one over the other but not necessarily in the same order. Only two boxes are kept between P and U. Only X is kept above W. No box is kept below U. R is kept at some place below V but at some place above Q. Which box is kept third above Q?

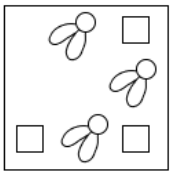
Ans
- ✗ 1. R
- ✗ 2. X
- ✗ 3. U
- ✓ 4. V

Q.51 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

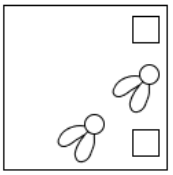


Ans

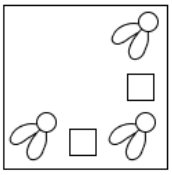
✗ 1.



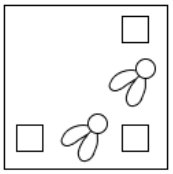
✗ 2.



✓ 3.



✗ 4.



Q.52 FGH starts from Point A and drives 16 km towards south. He then takes a left turn, drives 12 km, turns left and drives 28 km. He then takes a left turn and drives 23 km. He takes a final left turn, drives 12 km and stops at Point P. How far (the 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. 6 km towards west

✓ 2. 11 km towards east

✗ 3. 9 km towards east

✗ 4. 10 km towards west

Q.53 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 that follows the same logic.

DESK - EDSK - KEDS
ROAD - ORAD - DORA

Ans

✓ 1. PRAY - RPAY - YRPA

✗ 2. VANS - AVNS - ANSV

✗ 3. FROG - FORG - GORF

✗ 4. JAMS - AJMS - SAMJ

Q.54 What will come in place of the question mark (?) in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?

24 ÷ 4 + 10 × 5 − 3 = ?

Ans

✗ 1. 91

✗ 2. 95

✓ 3. 97

✗ 4. 93

Q.55 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

IXE 2 KSH −9 MNK −20 OIN −31 ?

Ans

✗ 1. WQZ −66

✗ 2. DQP −44

✓ 3. QDQ −42

✗ 4. YWZ −65

Q.56 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans
1. ⅃ꟼƎDꓤA
2. ⅃ꟼᗡƎꓤA
3. EDPLꓤA
4. ✔ ⅃ꟼᗡƎꓤA

Q.57 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 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 pair.)

Ans
1. JE : HC
2. ✔ PJ : MH
3. MH : KF
4. RM : PK

Q.58 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 :: ?

 # : HJE :: OQL : %

Ans
1. # = PKO, % = NHU
2. ✔ # = LNI, % = KMH
3. # = MLI, % = KJK
4. # = HGY, % = LHU

Q.59 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, 130, 13)
(11, 187, 17)

Ans
1. (49, 542, 11)
2. ✔ (36, 792, 22)
3. (3, 51, 16)
4. (39, 627, 16)

Q.60 **A @ B means 'A is the daughter of B',**
A * B means ' A is the father of B',
A - B means 'A is the son of B' and
A $ B means 'A is the sister of B'.
Based on the above information, which of the following means that H is the brother's daughter of D?

Ans
1. H $ A * M - I @ D
2. H @ A - M $ I * D
3. ✔ H @ A - M * I $ D
4. H * A @ M $ I - D

Q.61 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

8 - 10 - 14 - 7; 6 - 8 - 12 - 6

Ans
1. 13 - 15 - 30 - 60
2. ✔ 4 - 6 - 10 - 5
3. 2 - 4 - 8 - 16
4. 3 - 5 - 9 - 18

Q.62 **If 'I' stands for '+' , 'J' stands for '×', 'K' stands for '÷', and 'L' stands for '–' what will come in place of the question mark '?' in the following equation?**
(16 I 9 L 13) I 7 J 5 L (22 K 2) I 4 J 9 = ?

Ans
1. 60
2. 84
3. ✔ 72
4. 96

Q.63 A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people sit between A and D, when counted from the right of A. Only two people sit between D and G. Only three people sit between A and C. F sits to the immediate left of E. How many people sit between C and G, when counted from the left of G?

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

Q.64 This question is based on the given words.
WIG RUT HEN JOY
If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

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

Q.65 Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only.

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

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

Ans
- ✗ 1. 3
- ✗ 2. 2
- ✗ 3. 9
- ✓ 4. 5

Q.66 G, H, I, J, K and L, each scored different marks. I scored the maximum marks. Only G scored less than K. L scored more than H but less than J.
How many people among the six, scored more than H but less than J?

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

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

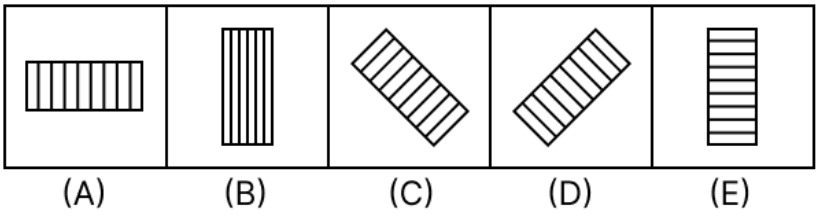
LDY 1 JGX -3 HJW 9 FMV -27 ?

Ans
- ✗ 1. UOD 81
- ✗ 2. PVD 80
- ✓ 3. DPU 81
- ✗ 4. EDP 80

Q.68 All 29 people are standing in a row facing north. KLM is 8^{th} from the right end, while PRQ is 12^{th} from the left end. How many people are there between KLM and PRQ?

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

Q.69 Five figures have been given, out of which four are alike in some manner and one is different. Select the one that is different.



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

Q.70 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. BCA
- ✗ 2. ZAY
- ✓ 3. LNK
- ✗ 4. KLJ

Section : **General Awareness**

Q.71 Which of the following factors mainly contributes to the difference of temperature between the coastal and interior areas?

Ans
- ✗ 1. Ocean currents
- ✗ 2. Latitude
- ✓ 3. Distance from the sea (continentality)
- ✗ 4. Altitude

Q.72 In _____, tales from Mahabharata are sung as a ballad and one or two episodes are chosen for the night's performance in Chhattisgarh.

Ans
- ✗ 1. Sohar
- ✗ 2. Chhakri
- ✗ 3. Alha
- ✓ 4. Pandavani

Q.73 Which of the following authorites in India have the power to terminate the citizenship of an individual under certain circumstances?

Ans
- ✗ 1. Supreme Court
- ✓ 2. Union Government
- ✗ 3. Delhi Government
- ✗ 4. Any State Government

Q.74 NASA's very first space mission to study an M-type (metallic) asteroid, Psyche mission, was launched on which date from Kennedy Space Center?

Ans
- ✗ 1. 15 March 2023
- ✓ 2. 13 October 2023
- ✗ 3. 01 July 2023
- ✗ 4. 27 December 2023

Q.75 Identify the INCORRECT pair of biosphere reserve and its associated state from the given options.

Ans
- ✗ 1. Panna – Madhya Pradesh
- ✗ 2. Seshachalam – Andhra Pradesh
- ✓ 3. Nokrek – Mizoram
- ✗ 4. Dibru-Saikhowa – Assam

Q.76 What characterises employment in the informal sector of the Indian economy?

Ans
- ✗ 1. Employment contracts are always written and legally binding.
- ✗ 2. Informal sector jobs are typically high-wage positions.
- ✗ 3. Workers are entitled to social security benefits and formal job protection.
- ✓ 4. Employment primarily involves self-employment or small, unregistered businesses.

Q.77 Where was the joint military exercise MAITREE 2024 conducted between the Indian Army and the Royal Thailand Army?

Ans
- ✗ 1. Phuket, Thailand
- ✓ 2. Tak Province, Thailand
- ✗ 3. Chiang Mai, Thailand
- ✗ 4. Bangkok, Thailand

Q.78 India's first tilapia parvovirus contamination was reported in Tamil Nadu in October 2023. The virus primarily infected _____.

Ans
- ✓ 1. fishes
- ✗ 2. goats
- ✗ 3. bats
- ✗ 4. monkeys

Q.79 Which food safety management system published in 2005 provides a framework for organisations to manage food safety?

Ans
- ✗ 1. ISO 17025
- ✗ 2. ISO 9000
- ✗ 3. ISO 14000
- ✓ 4. ISO 22000

Q.80 Which of the following is the highest law officer in the Government of India?

Ans
- ✗ 1. Chief Justice of India
- ✗ 2. Judge of High court
- ✗ 3. Judge of the Supreme Court
- ✓ 4. Attorney General of India

Q.81 Where did Prime Minister Narendra Modi inaugurate the opening ceremony of the Khelo India Youth Games 2023 in January 2024?

Ans
- ✗ 1. Madurai
- ✗ 2. Trichy
- ✓ 3. Chennai
- ✗ 4. Coimbatore

Q.82 Which initiative of the Government of India aims to integrate various sub-schemes related to safety, security, and empowerment of women under an umbrella scheme for greater efficiency and effectiveness in India?

Ans
- ✗ 1. Mission Nirbhaya
- ✓ 2. Mission Shakti
- ✗ 3. Mission Yukti
- ✗ 4. Mission Vatsalya

Q.83 Which of the following is the longest train route in India as of 2023?

Ans
- ✗ 1. Agartala-Bangaluru
- ✗ 2. Tiruvananthpuram-Silchar
- ✗ 3. Tirunelveli-Katra
- ✓ 4. Dibrugarh-Kanniyakumari

Q.84 Which of the following Articles of the Indian Constitution guarantees protection against arrest and detention in certain cases?

Ans
- ✗ 1. Article 20
- ✗ 2. Article 21
- ✗ 3. Article 23
- ✓ 4. Article 22

Q.85 When did Ashwini Vaishnaw launch Digital Intelligence Platform (DIP) of Department of Technology for Coordination among the stakeholders to curb misuse of telecom resources in cyber-crime and financial fraud?

Ans
- ✓ 1. March 2024
- ✗ 2. January 2024
- ✗ 3. July 2024
- ✗ 4. August 2024

Q.86 Rauwolfia serpentina is a:

Ans
- ✗ 1. helminth parasite
- ✗ 2. poisonous snake
- ✓ 3. medicinal plant
- ✗ 4. contributing organism of AIDS

Q.87 Select the correct statement among the following regarding the Lok Adalats.

1. This is a symbol of the justice system that has been prevalent since ancient times.
2. This system is based on Gandhian principles.
3. After independence, the first Lok Adalat in India was established in Madhya Pradesh in the year 1982.
4. The decision given by the Lok Adalat is not binding on both the parties.

Ans
- ✗ 1. Only 1
- ✓ 2. Only 1 and 2
- ✗ 3. Only 1, 3 and 4
- ✗ 4. Only 2, 3 and 4

Q.88 As part of military-to-military exchange programmes, a contingent of Indian Special Forces troops engaged in a bilateral joint training exercise GARUDA SHAKTI with which of the following countries in Nov 2022?

Ans
- ✗ 1. Malaysia
- ✓ 2. Indonesia
- ✗ 3. Taiwan
- ✗ 4. Vietnam

Q.89 Which of the following Gurjara-Parthihara kings was highly praised by the Arabian scholar Sulaiman for keeping his empire safe from robbers?

Ans
- ✓ 1. Mihira Bhoja
- ✗ 2. Vatsaraja
- ✗ 3. Nagabhata II
- ✗ 4. Ramabhadra

Q.90 Which of the following is against globalisation?

Ans
- ✗ 1. Globalisation increases the use of advanced technology.
- ✗ 2. Globalisation increases the diversification of products.
- ✓ 3. Globalisation increases economic disparities.
- ✗ 4. Globalisation increases access to global markets.

Q.91 Through which of the following platforms does the New India Literacy Programme (NILP) encourage learners to access content in local languages across the country?

Ans
- ✗ 1. Google Classroom
- ✗ 2. PM Abhyas portal
- ✗ 3. DISHA portal
- ✓ 4. DIKSHA platform

Q.92 Match the (List-I cities) with (List-II temperature) characteristics: and chose your answer the code below.

(List-I - Cities) (List-II - Temperature)
(A) Pahalgam I. 50°C in summer, 15°C at night
(B) Drass II. Temperature can be as low as minus 45°C
(C) Thar Desert III. Around 20°C in summer
(D) Thiruvananthapuram IV. Temperature is 22°C

Ans
✔ 1. (a) iii (b) ii (c) i (d) IV
✘ 2. (a) iii (b) i (c) ii (d) iii
✘ 3. (a) ii (b) iii (c) i (d) iv
✘ 4. (a) iv (b) iii (c) ii (d) i

Q.93 Which of the following launch vehicles was used to launch the Aditya- L1, the first solar mission of India?

Ans
✔ 1. Polar Satellite Launch Vehicle -XL
✘ 2. Geosynchronous Launch Vehicle Mark III
✘ 3. Space Launch Vehicle
✘ 4. Geosynchronous Launch Vehicle

Q.94 Which of the following did the conventional method specifically define as 'quasi-money'?

Ans
✘ 1. Media of exchange considered as money
✘ 2. All forms of money
✔ 3. Financial instruments that are not media of exchange but are substitutes
✘ 4. Narrow money

Q.95 At which of the following sessions of the Congress did it get split into the Moderates and the Extremists?

Ans
✘ 1. Allahabad
✘ 2. Calcutta
✘ 3. Lahore
✔ 4. Surat

Q.96 Equity in agriculture called for _____, which primarily refers to change in the ownership of landholdings.

Ans
✘ 1. land grab
✔ 2. land reform
✘ 3. Zamindari system
✘ 4. land consolidation

Q.97 Who among the following had one of their capitals at Benaras?

Ans
✘ 1. Paramaras
✔ 2. Gahadavalas
✘ 3. Palas
✘ 4. Chahamanas

Q.98 In eastern Bengal, Matua sect of social reformer, _____ worked among Chandala cultivators.

Ans
✘ 1. Akshay Kumar Datta
✘ 2. Ishwar Chandra Vidyasagar
✔ 3. Haridas Thakur
✘ 4. Guru Ghasidas

Q.99 Which of the following has the highest specific heat capacity at room temperature and atmospheric pressure?

Ans
✘ 1. Mercury
✔ 2. Water
✘ 3. Iron
✘ 4. Glass

Q.100 Which Carnatic vocalist was popularly known as the 'Nightingale of India'?

Ans
✘ 1. Lalgudi Jayaraman
✘ 2. DK Pattammal
✘ 3. Balamuralikrishna
✔ 4. MS Subbulakshmi

Q.101 Who is the author of the story book The End of Imagination?

Ans
✘ 1. Prasanna Kumar Acharya
✔ 2. Arundhati Roy
✘ 3. Shashi Tharoor
✘ 4. Pema Dorjee

Q.102 Where is the Lalitagiri Buddhist site located?

Ans
✘ 1. Bihar
✔ 2. Odisha
✘ 3. Haryana
✘ 4. Rajasthan

Q.103 What is the name of the Prime Minister's new rooftop solar power scheme launched by Shri Narendra Modi on 15 February 2024?

Ans
- ✗ 1. Pradhan Mantri Gram Ujala Yojana
- ✗ 2. Pradhan Mantri Surya Kiran Yojana
- ✗ 3. Pradhan Mantri Ujala Yojana
- ✓ 4. PM Surya Ghar: Muft Bijli Yojana

Q.104 Spain joined the International Solar Alliance (ISA) as which member in May 2024?

Ans
- ✗ 1. 100^{th}
- ✗ 2. 94^{th}
- ✓ 3. 99^{th}
- ✗ 4. 97^{th}

Q.105 In March 2024, Sports Minister Anurag Thakur announced the establishment of how many National Centres of Excellence (NCOE) exclusively for women on the occasion of International Women's Day?

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

Q.106 VL-832, PBW-502 and Aditya (HD 2781) are varieties of which Indian crop?

Ans
- ✓ 1. Wheat
- ✗ 2. Rice
- ✗ 3. Maize
- ✗ 4. Jute

Q.107 Who among the following was NOT associated with 'Servants of India Society'?

Ans
- ✓ 1. Bal Gangadhar Tilak
- ✗ 2. Anant Vinayak Patwardhan
- ✗ 3. Gopal Krishna Deodhar
- ✗ 4. Natesh Appaji Dravid

Q.108 Which of the following schemes hasShishu, Kishore and Tarun sub-schemes?

Ans
- ✗ 1. DeenDayal Upadhyaya Grameen Kaushalya Yojana
- ✓ 2. Mudra Yojana
- ✗ 3. Gold Monetisation Scheme
- ✗ 4. Start-up India

Q.109 Who among the following holds office during the pleasure of the President?

Ans
- ✗ 1. Chairman of the Union Public Service Commission
- ✗ 2. Comptroller and Auditor General of India
- ✓ 3. Attorney General of India
- ✗ 4. Speaker of the Lok Sabha

Q.110 What is the product of the following reaction?

2NaOH (aq) + Zn (s) →

Ans
- ✗ 1. ZnO_2 (s) and N_2O (g)
- ✓ 2. Na_2ZnO_2 (s) and H_2 (g)
- ✗ 3. Na_2ZnO_2 (s) and H_2O (l)
- ✗ 4. ZnO_2 (s) and H_2O (l)

Q.111 In which of the following countries is the policy of dual citizenship accepted?

Ans
- ✗ 1. India
- ✓ 2. US
- ✗ 3. China
- ✗ 4. UK

Q.112 Which Article of the Indian constitution deals with the advisory jurisdiction of the Supreme Court?

Ans
- ✗ 1. Article 142
- ✗ 2. Article 145
- ✗ 3. Article 148
- ✓ 4. Article 143

Q.113 Who among the following kings of the Gupta dynasty married the Lichchhavi princess (Kumari devi)?

Ans
- ✗ 1. Chandra Gupta II
- ✗ 2. Samudra Gupta
- ✗ 3. Kumara Gupta
- ✓ 4. Chandra Gupta I

Q.114 According to the sustainable development approach, which of the following strategies is essential for rural development?

Ans
- ✗ 1. Increasing reliance on non-renewable resources
- ✓ 2. Integrating environmental sustainability with economic development
- ✗ 3. Prioritising short-term economic gains
- ✗ 4. Focusing solely on agricultural productivity

Q.115 To which phylum do round worms belong?

Ans
- ✓ 1. Aschelminthes
- ✗ 2. Annelida
- ✗ 3. Platyhelminthes
- ✗ 4. Ctenophora

Q.116 Which of the following union territories reported the highest literacy rate according to the Census of India 2011?

Ans
- ✗ 1. Puducherry
- ✗ 2. Chandigarh
- ✓ 3. Lakshadweep
- ✗ 4. Daman and Diu

Q.117 According to the DSCI-SEQRITE India Cyber Threat Report, 2023, which of the following industrial sectors has/have detected the highest number of malware attack spectrums?

Ans
- ✓ 1. Automobiles
- ✗ 2. Education
- ✗ 3. Logictics
- ✗ 4. IT Industries

Q.118 Which of the following was NOT a part of Shailendra Empire, founded in the South East Asia, in the 8th Century CE?

Ans
- ✗ 1. Malaya
- ✗ 2. Java
- ✗ 3. Sumatra
- ✓ 4. Srilanka

Q.119 Where did the Judo Federation of India conduct the Senior National Judo Championships 2023-24 in the month of October 2023?

Ans
- ✗ 1. New Delhi
- ✓ 2. Jaipur
- ✗ 3. Patna
- ✗ 4. Bhopal

Q.120 Which of the following is associated with strain?

Ans
- ✗ 1. Scalar
- ✗ 2. Raster
- ✗ 3. Vector
- ✓ 4. Dimensionless

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