Community	SC
Test Center Name	iON Digital Zone iDZ Albert Road
Test Date	09/12/2024
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 12 chefs can make 96 dishes in 4 hours. Find the average dishes that can be made by each chef in an hour.
Ans
✗ 1. 8
✗ 2. 4
✓ 3. 2
✗ 4. 6

Q.2 Find the surface area of a sphere whose diameter is equal to 8 cm.
Ans
✗ 1. 786 cm^2
✓ 2. 64 cm^2
✗ 3. 87 cm^2
✗ 4. 543 cm^2

Q.3 The smallest natural number which is divisible by 40, 16, 8 and 24 is:
Ans
✓ 1. 240
✗ 2. 270
✗ 3. 332
✗ 4. 226

Q.4 Chandu covers 245 km in a boat in 30 hours against the stream and he takes 21 hours with the stream then find the speed of the stream?
Ans
✗ 1. 10.88 km/h
✗ 2. 5.75 km/h
✓ 3. 1.75 km/h
✗ 4. 7.18 km/h

Q.5 A sum, when invested at 10% simple interest per annum, amounts to ₹9360 after 3 years. What is the simple interest (in ₹) on the same sum at the same rate in 1 year?
Ans
✗ 1. 360
✗ 2. 2880
✓ 3. 720
✗ 4. 1440

Q.6 During sale, Raghav bought a notebook marked for ₹100 at 86% discount and a pen marked for ₹95 at 40% discount. How much (in ₹) did he save due to sale?
Ans
✗ 1. 121
✓ 2. 124
✗ 3. 123
✗ 4. 126

Q.7 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 7 hours 15 minutes. He would have gained 6 hours by driving both ways. How long would it have taken for him to walk both ways with same walking speed?
Ans
✗ 1. 12 hours 15 minutes
✗ 2. 14 hours 30 minutes
✓ 3. 13 hours 15 minutes
✗ 4. 13 hours 45 minutes

Q.8 The expenditure of Sudha is 100% more than her savings. If her expenditure decreases by 2% and savings increase by 10%, then by what percent does her income increase?
Ans
✗ 1. 0.05
✗ 2. 0.06
✗ 3. 0.01
✓ 4. 0.02

Q.9 If $\dfrac{p}{q} = \dfrac{19}{5} + \dfrac{2}{7} - 2.4 + \left(\dfrac{4.8}{2.4}\right)^2$, where p/q is a simplest form, then find the sum of the digits of q.

Ans ✗ 1. 5

✔ 2. 8

✗ 3. 6

✗ 4. 7

Q.10 Two trains of equal length are running on parallel lines in the same direction at speeds of 97 km/h and 21 km/h. The faster train passes the slower train in 45 seconds. The length of each train is:

Ans ✗ 1. 466 meters

✔ 2. 475 meters

✗ 3. 477 meters

✗ 4. 472 meters

Q.11 The area of a square plot is 29929 m ^{2} . The length of each side of the plot (in m) is:

Ans ✗ 1. 163

✔ 2. 173

✗ 3. 197

✗ 4. 177

Q.12 $\dfrac{(a^9 \times b^9 \times c^3)}{(a^7 \times b^5 \times c^2)}$ in simplified form is:

Ans ✗ 1. $(a^{10}) \times (b^5) \times (c^{-1})$

✗ 2. $(a^9) \times (b^2) \times (c^9)$

✔ 3. $(a^2) \times (b^4) \times (c^1)$

✗ 4. $(a^{10}) \times (b^{-2}) \times (c^{-2})$

Q.13 Shweta and Monika invest in a business in the ratio 2 : 1. If total profit is Rs. 1347, then what is difference between the profit (in Rs.) of Shweta and Monika?

Ans ✗ 1. 549

✗ 2. 599

✗ 3. 399

✔ 4. 449

Q.14 Find the gain percentage, given that Aditi sold her scooter for ₹82008 gaining $\dfrac{1}{6}$ th of the selling price.

Ans ✗ 1. 30%

✗ 2. 35%

✔ 3. 20%

✗ 4. 10%

Q.15 The sides of a triangle are 60 cm, 75 cm, and 45 cm. What is its area? (in cm^2)

Ans ✗ 1. 1390

✗ 2. 1307

✗ 3. 1385

✔ 4. 1350

Q.16 Simplify the following:
$\{(-1.5) \times (-8.2) - 3.3\}(4.2)^2$

Ans ✗ 1. 155

✗ 2. 158

✗ 3. 155.76

✔ 4. 158.76

Q.17 The average of eight numbers is 20. The average of five of these numbers is 18. The average of the remaining three numbers is

Ans ✗ 1. 24.33

✗ 2. 25.33

✗ 3. 22.33

✔ 4. 23.33

Q.18 Study the given table and answer the question that follows.
The table shows the monthly expenditure (in ₹) of five people on education, rent, food, conveyance and electricity.

Person	Education	Rent	Food	Conveyance	Electricity
Praveen	5,000	3,800	4,800	3,500	2,000
Rohan	6,400	4,000	4,500	4,000	2,400
Reena	5,500	3,600	4,000	3,600	1,800
Seema	6,000	4,200	5,000	4,400	2,200
Teena	7,000	4,400	5,500	4,000	2,500

Find the ratio of the amount spent by Rohan and Teena on food and education to the amount spent by Praveen and Seema on rent and conveyance.

Ans ✔ 1. 78 : 53

✘ 2. 45 : 34

✘ 3. 81 : 68

✘ 4. 38 : 29

Q.19 To create a mixture that costs ₹110 per kg, 30 kg of one type of rice is combined with 60 kg of another type of rice that costs ₹100 p

Ans ✘ 1. ₹120 per kg

✘ 2. ₹125 per kg

✔ 3. ₹130 per kg

✘ 4. ₹135 per kg

Q.20 What time (in seconds) is required for a 188 m long train to cross a 472 m long tunnel, if the train travels at a speed of 27 km/h?

Ans ✘ 1. 98

✘ 2. 80

✘ 3. 79

✔ 4. 88

Q.21 The smallest natural number which is divisible by 13, 6, 24 and 39 is:

Ans ✘ 1. 340

✘ 2. 243

✔ 3. 312

✘ 4. 359

Q.22 A bank offers 2.6% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹8565 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. ₹325.48

✔ 2. ₹335.48

✘ 3. ₹343.66

✘ 4. ₹323.72

Q.23 A trader gives 5% discount on the marked price of an article and gives 4 articles free for buying 14 articles and gains 33% in the entire transaction. Assuming a customer pays for 14 articles, the marked price of an article is what per cent more than its cost price?

Ans ✘ 1. 81%

✘ 2. 90%

✔ 3. 80%

✘ 4. 79%

Q.24 Lalit's average earning per month in the first three months of a year was ₹4184. 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 ₹17553, then what will be Lalit's average earning (in ₹) per month from May to December?

Ans ✘ 1. 23973

✘ 2. 23978

✔ 3. 23976

✘ 4. 23979

Q.25 If x varies inversely as $y^3 - 1$ and is equal to 6 when y = 3, find x when y = 9.

Ans ✘ 1. $\dfrac{3}{15}$

✔ 2. $\dfrac{3}{14}$

✘ 3. $\dfrac{4}{15}$

✘ 4. $\dfrac{5}{14}$

QMy little sister is filling a conical bag with gems. She knows that the capacity of each bag is 75.36 cubic inches. Find the slant height of

Ans ✗ 1. 8.545 inches

✗ 2. 8.455 inches

✗ 3. 8.454 inches

✔ 4. 8.544 inches

Q.27 A number when increased by 50 %', gives 3780. The number is:

Ans ✗ 1. 5040

✔ 2. 2520

✗ 3. 1260

✗ 4. 7560

Q.28 The smallest 1-digit number to be added to the 6-digit number 777288 so that it is completely divisible by 11 is:

Ans ✗ 1. 9

✔ 2. 5

✗ 3. 7

✗ 4. 1

Q.29 The smallest 1-digit number to be added to the 6-digit number 489483 so that it is completely divisible by 11 is:

Ans ✗ 1. 3

✗ 2. 5

✗ 3. 4

✔ 4. 6

Q.30 Find the value of $\left[(29 \times 8) \times \left\{ 2 \div 2 \times \dfrac{(18-11)}{7} \right\} \right]$

Ans ✗ 1. 233

✗ 2. 234

✗ 3. 228

✔ 4. 232

Q.31 The average of 7 numbers is 55. If each number is increased by 6, what will the new average be?

Ans ✗ 1. 55

✗ 2. 67

✔ 3. 61

✗ 4. 7

Q.32 Ruchi and Sheetal invest in a business in the ratio 9 : 6. If total profit is Rs. 2775, then what is difference between the profit (in Rs.) of Ruchi and Sheetal?

Ans ✗ 1. 405

✗ 2. 705

✗ 3. 605

✔ 4. 555

Q.33 The selling price of 32 books is equal to the cost price of 24 books. Find the loss or gain percentage.

Ans ✔ 1. 25 % loss

✗ 2. $\dfrac{100}{8}\% \ gain$

✗ 3. 25 % gain

✗ 4. $\dfrac{100}{8}\% \ loss$

Q.34 Which of the following fractions is the largest?

$$\frac{4}{6}, \ \frac{7}{79}, \ \frac{19}{54}, \ \frac{54}{84}$$

Ans ✗ 1. $\dfrac{19}{54}$

✗ 2. $\dfrac{54}{84}$

✔ 3. $\dfrac{4}{6}$

✗ 4. $\dfrac{7}{79}$

Q.35 A bank offers 3.8% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹2710 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. ₹155.44
✘ 2. ₹170.5
✘ 3. ₹174.88
✘ 4. ₹175.44

Section : General Intelligence and Reasoning

Q.36 Each of the digits in the number 71248935 is arranged in descending order from left to right. Which of the following digits will be fifth from the right?

Ans
✘ 1. 7
✘ 2. 3
✘ 3. 4
✔ 4. 5

Q.37 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

QRL : TTM
WVN : ZXO

Ans
✘ 1. SWV : WZX
✘ 2. KUQ : MYS
✔ 3. CZP : FBQ
✘ 4. MBK : OGM

Q.38 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. FL-IO
✘ 2. BH-EK
✔ 3. NU-RX
✘ 4. JP-MS

Q.39 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 peas are carrots.
All carrots are onions.
Some onions are brinjals.

Conclusions:
(I): Some peas are brinjals.
(II): Some carrots are brinjals.

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

Q.40 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) 7 J £ W € 2 Q £ K £ 6 1 D U & 1 4 M Y * V X (Right)
If all the numbers are dropped from the series, which of the following will be eighth from the left?

Ans
✘ 1. K
✘ 2. €
✔ 3. £
✘ 4. D

Q.41 This question is based on the following words.
WAR PIN AND FEW
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. 3
✘ 2. 4
✔ 3. 2
✘ 4. 1

Q.42 In a certain code language, 'LIKE' is coded as '5427' and 'EARS' is coded as '6314'. What is the code for 'E' in the given code language?

Ans
✘ 1. 1
✘ 2. 6
✔ 3. 4
✘ 4. 7

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

(Left) Y # E S * £ B K Ω G C & T % Q & R D A @ U $ (Right)

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

Ans   ✗ 1. 3

      ✗ 2. 0

      ✗ 3. 2

      ✔ 4. 1

Q.44 Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

OK-RN-TW
MI-PL-RU

Ans   ✔ 1. KG-NJ-PS

      ✗ 2. KG-NJ-PR

      ✗ 3. LG-NJ-PR

      ✗ 4. LG-NI-PR

Q.45 In a certain code language, 'CROP' is coded as '4317' and 'COIR' is coded as '4237'. What is the code for 'I' in the given code language?

Ans   ✗ 1. 7

      ✗ 2. 4

      ✔ 3. 2

      ✗ 4. 3

Q.46 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 ::?
: LOU :: ADJ : %

Ans   ✗ 1. # = HKQ; % = FHN

      ✗ 2. # = HKQ; % = EHM

      ✗ 3. # = HKO; % = EHN

      ✔ 4. # = HKQ; % = EHN

Q.47 Seven boxes K, L, M, N, O, P and T are kept one over the other, but not necessarily in the same order. Only M is kept above O. Only P is kept between O and T. Only N is kept below K. How many boxes are kept between L and M?

Ans   ✔ 1. Three

      ✗ 2. Four

      ✗ 3. One

      ✗ 4. Two

Q.48 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5834671, which of the following digits will be first from the right in the new number thus formed?

Ans   ✗ 1. 5

      ✗ 2. 4

      ✔ 3. 2

      ✗ 4. 8

Q.49 G, H, I, J, M, N and O are sitting around a square table facing the centre of the table.
Only five people sit between H and G. O sits to the immediate left of G. Only one person sits between O and I. J sits at some place to the left of N but at some place to the right of M.
Who sits third from the left end of the line?

Ans   ✗ 1. G

      ✗ 2. I

      ✗ 3. O

      ✔ 4. J

Q.50 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.
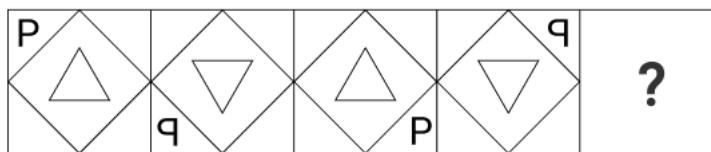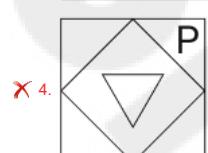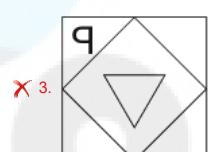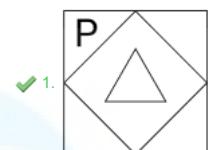
Q.51 Select the number from among the given options that can replace the question mark (?) in the following series.

29 36 50 71 99 ?

Ans ✘ 1. 136

✘ 2. 132

✘ 3. 138

✔ 4. 134

Q.52 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. FGE

✘ 2. QRP

✔ 3. AZX

✘ 4. KLJ

Q.53 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will be come in place of question mark '?' in the following equation?
31 C 25 B 32 A 40 D 32 = ?

Ans ✘ 1. 21

✔ 2. 19

✘ 3. 20

✘ 4. 17

Q.54 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. Only two people have exam before R. Only one person has exam after A. Only three people have exam between R and Q. Only one person has exam between C and D. P has exam immediately before C. Who among the following has exam on Friday?

Ans ✔ 1. B

✘ 2. Q

✘ 3. A

✘ 4. P

Q.55 Yangden starts from Point A and drives 14 km towards south. He then takes a right turn, drives 13 km, turns right and drives 17 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

Ans ✘ 1. 2 km to the west

✘ 2. 5 km to the west

✔ 3. 6 km to the west

✘ 4. 4 km to the west

Q.56 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.)
3 - 4 - 5 - 10 ; 1 - 2 - 3 - 6

Ans ✔ 1. 8 - 9 - 10 - 20

✘ 2. 7 - 8 - 9 - 10

✘ 3. 12 - 13 - 14 - 20

✘ 4. 17 - 18 - 19 - 20

Q.57 Mayank starts from Point A and drives 9 km towards the South. He then takes a left turn, drives 11 km, turns left and drives 15 km. He then takes a left turn and drives 12 km. He takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

Ans ✔ 1. 1 km to the east

✘ 2. 1 km to the west

✘ 3. 2 km to the west

✘ 4. 2 km to the east

Q.58 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

M

FDdaBpP

N

Ans ✘ 1. Ⅎ□ɒꓭ bꓷ

✘ 2. pPꓭɒbꓷℲ

✔ 3. Ⅎ□ɒꓭbP

✘ 4. ꓒqꓭɒbℲD
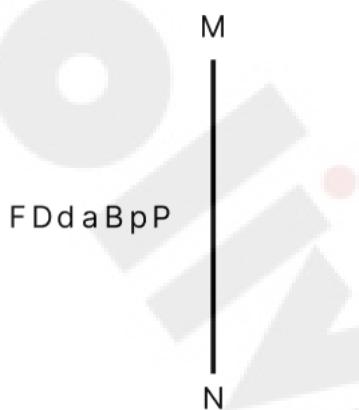
Q.59 Refer to the following letter, number, symbol series and answer the question that follows.
(Left) R % C & E 2 S 4 # 5 K & 7 G Y @ 3 6 T * D (Right)

How many such symbols are there, which are immediately preceded by a letter and also immediately followed by a number?

Ans ✘ 1. None

✘ 2. One

✔ 3. Two

✘ 4. Three

Q.60 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 left of D. E sits third to the left of B. C sits to the immediate right of B. C sits second to the left of A. G is an immediate neighbour of E. How many people sit between B and E, when counted from the left of B?

Ans ✘ 1. 3

✘ 2. 4

✔ 3. 2

✘ 4. 1

Q.61 Six people, named W, X, Y, Z, T and U, each are of different ages. The age of T is 24. The age of W is one-fourth times the age of U. The age of Z is half times the age of X. The age of U is three times the age of Z. The age of T is two times the age of W. If The age of X is four times the age of Y. What is the age of Y?

Ans ✘ 1. 12

✔ 2. 8

✘ 3. 13

✘ 4. 15

Q.62 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?

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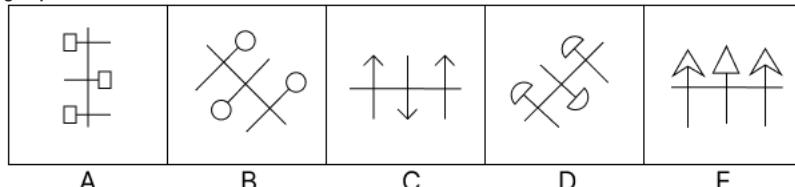
Ans
- ✗ 1. D
- ✔ 2. E
- ✗ 3. A
- ✗ 4. C

Q.63 86 is related to 298 following a certain logic. Following the same logic, 105 is related to 317. To which of the following is 48 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / 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. 260
- ✗ 2. 250
- ✗ 3. 280
- ✗ 4. 270

Q.64 Each of P, Q, R, S, T, U and V has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. S has an exam on Friday. Only 2 people have an exam between S and R. Q has an exam immediately before T and U has an exam immediately after V. Only 2 people have an exam between P and T. How many people have an exam before T?

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

Q.65 S is the wife of D. D is the brother of F. F is the father of G. G is the mother of H. How is S related to H?

Ans
- ✔ 1. Mother's father's brother's wife
- ✗ 2. Father's mother's brother's wife
- ✗ 3. Mother's mother's brother's wife
- ✗ 4. Father's father's brother's wife

Q.66 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. OQN
- ✗ 2. YAX
- ✔ 3. HKG
- ✗ 4. DFC

Q.67 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

IFM KHO MJQ OLS ?

Ans
- ✔ 1. QNU
- ✗ 2. QMU
- ✗ 3. QMV
- ✗ 4. QNV

Q.68 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
EGB, FHF, GIJ, HJN, ?

Ans
- ✔ 1. IKR
- ✗ 2. RIK
- ✗ 3. IRK
- ✗ 4. KIR

Q.69 Z is the mother of S. P is the daughter of Q. G is the husband of Z. Q is the son of R. S is the mother of P. How is G related to Q?

Ans
- ✗ 1. Mother's brother
- ✗ 2. Sister's husband
- ✔ 3. Wife's father
- ✗ 4. Brother's son

Q.70 In a certain code language, 'enjoy every moment' is coded as 'ut mb tk' and 'moment of clarity' is coded as 'tk mo mt'. How is 'moment' coded in the given language?

Ans
- ✗ 1. mb
- ✗ 2. mo
- ✔ 3. tk
- ✗ 4. ut

Section : **General Awareness**

Q.71 Where are the Lakshadweep Islands located?

Ans
- ✗ 1. Close to the Konkan coast of Maharashtra
- ✗ 2. Close to the Coromandel coast of Andhra Pradesh
- ✓ 3. Close to the Malabar coast of Kerala
- ✗ 4. Close to the Coromandel coast of Tamil Nadu

Q.72 Who among the following formed the Ghadr (Gadar) Party to organise a rebellion against the British government of India in the USA?

Ans
- ✗ 1. Subhash Chandra Bose
- ✗ 2. Ram Prasad Bismil
- ✗ 3. Sachindra Nath Bakshi
- ✓ 4. Lala Hardayal

Q.73 Who is the Minister of State for Defence as of August 2024 in India?

Ans
- ✗ 1. Amrendra Tiwari
- ✗ 2. Vijay Bhatt
- ✗ 3. Alok Tiwari
- ✓ 4. Sanjay Seth

Q.74 Who among the following is an Indian-origin Satellite Industry Expert who was appointed as Director of United Nations Office for Outer Space Affairs in June 2023?

Ans
- ✗ 1. Michael Rao
- ✗ 2. Behruz Sethna
- ✗ 3. Kaushik Basu
- ✓ 4. Aarti Holla-Maini

Q.75 Which of the following is NOT a class of sub phylum vertebrata?

Ans
- ✓ 1. Arachnida
- ✗ 2. Reptilia
- ✗ 3. Mammals
- ✗ 4. Aves

Q.76 Which of the following statements is INCORRECT?

Ans
- ✓ 1. The first phase of the green revolution was started around the mid-1950s.
- ✗ 2. The green revolution enabled the government to procure a sufficient amount of food grains to build a stock.
- ✗ 3. The spread of green revolution technology enabled India to achieve self-sufficiency in food grains.
- ✗ 4. The use of High yielding variety seeds was restricted to the more affluent states.

Q.77 In which of the following years was the battle of Bannihatti fought?

Ans
- ✗ 1. 1556
- ✗ 2. 1560
- ✓ 3. 1565
- ✗ 4. 1558

Q.78 The Chamoli, Pithoragarh and Almora districts are part of which biosphere reserve?

Ans
- ✗ 1. Similipal
- ✗ 2. Nokrek
- ✓ 3. Nanda Devi
- ✗ 4. Cold Desert

Q.79 Which former Indian shooter became the first Indian President of the Olympic Council of Asia (OCA) in 2024?

Ans
- ✗ 1. Joydeep Karmakar
- ✗ 2. Vijay Kumar
- ✗ 3. Rajyavardhan Singh Rathore
- ✓ 4. Raja Randhir Singh

Q.80 In which of the following Articles are there provisions related to establishment of the Election Commission?

Ans
- ✗ 1. Article 330
- ✓ 2. Article 324
- ✗ 3. Article 353
- ✗ 4. Article 343

Q.81 Field lines serve as a representation of a magnetic field. They represent a path along which:

Ans
- ✗ 1. a free electron would tend to move
- ✗ 2. a free proton would tend to move
- ✗ 3. a hypothetical free south pole would tend to move
- ✓ 4. a hypothetical free north pole would tend to move

Q.82 Who became the President of Mexico in June 2024 who was a climate scientist and former mayor of Mexico City?

Ans
- ✗ 1. Felipe Calderon
- ✓ 2. Claudia Sheinbaum
- ✗ 3. Andres Manuel Lopez Obrador
- ✗ 4. Enrique Pena Nieto

Q.83 'The service of mankind is a means to salvation'. This slogan was propounded by Gangadhar Chattopadhyay. He was associated with _____

Ans ✗ 1. Arya Samaj

✗ 2. Brahmo Samaj

✓ 3. Ramakrishna Mission

✗ 4. Prarthana Samaj

Q.84 Who among the following is revered as 'Karnataka Sangita Pitamaha'?

Ans ✗ 1. Muthuswami Dikshitar Dasa

✗ 2. Annamacharya Dasa

✗ 3. Tyagaraja Dasa

✓ 4. Purandara Dasa

Q.85 Who among the following Mughal Princes allied with Malik Ambar and revolted against his father?

Ans ✗ 1. Jahangir

✗ 2. Akbar

✓ 3. Shah Jahan

✗ 4. Aurangzeb

Q.86 Which of the following bills was passed in Parliament to regulate the appointment, conditions of service and term of office of the Chief Election Commissioner and other Election Commissioners, the procedure for transaction of business by the Election Commission and for matters connected therewith or incidental thereto?

Ans ✗ 1. The Chief Election Commissioner and other Election Commissioners (Procedure for Transaction of Business) Bill, 2024

✓ 2. The Chief Election Commissioner and other Election Commissioners (Appointment Conditions of Service and Term of Office) Bill, 2023

✗ 3. The Chief Election Commissioner and other Election Commissioners (Procedure for Transaction of Business) Bill, 2023

✗ 4. The Chief Election Commissioner and other Election Commissioners (Appointment Conditions of Service and Term of Office) Bill, 2024

Q.87 Who among the following wrote 'The Palace of Illusions'?

Ans ✗ 1. Aravind Adiga

✓ 2. Chitra Banerjee Divakaruni

✗ 3. Gayatri Sinha

✗ 4. Rajiv Malhotra

Q.88 Which of the following rivers is NOT a part of the Deccan river system?

Ans ✗ 1. Krishna

✗ 2. Godavari

✗ 3. Cauvery

✓ 4. Sutlej

Q.89 Which of the following compositions reflects the devotional form of Carnatic music?

Ans ✗ 1. Pandavani

✓ 2. Devara Nama

✗ 3. Hori

✗ 4. Alha

Q.90 Which of the following dams is not located in Uttarakhand?

Ans ✗ 1. Ramganga Dam

✗ 2. Lakhwar Dam

✗ 3. Tehri Dam

✓ 4. Nagi Dam

Q.91 On which of the following scientific principles does a steam engine work?

Ans ✗ 1. Superconductivity

✗ 2. Photoelectric effect

✓ 3. Laws of thermodynamics

✗ 4. Newton's laws of motion

Q.92 When is the Marginal Rate of Substitution (MRS) of Y for X relevant?

Ans ✓ 1. When the consumer is ready to give up X for an additional unit of Y

✗ 2. When the consumer acquires additional units of both X and Y

✗ 3. When the consumer ready to give up both X and Y

✗ 4. When the consumer is ready to give up Y for an additional unit of X

Q.93 The child sex ratio (females per 1000 males) in India from 1951 to 2011:

Ans ✓ 1. decreased

✗ 2. increased

✗ 3. increased and then decreased

✗ 4. was stable

Q.94 What is the tenure of the Chief Election Commissioner of India?

Ans ✗ 1. At the pleasure of the President

✗ 2. Five years or till the age of 60 years, whichever is earlier

✗ 3. Six years

✓ 4. Six years or till the age of 65 years, whichever is earlier

Q.95 Onam festival is celebrated in which of the following states of India?

Ans ✔ 1. Kerela

✘ 2. Gujarat

✘ 3. Maharashtra

✘ 4. Arunachal Pradesh

Q.96 Who among the following former RAW Chiefs has written the book titled 'A Life in the Shadows: A Memoir'?

Ans ✘ 1. Alok Joshi

✘ 2. Arvind Dave

✔ 3. AS Dulat

✘ 4. JS Bedi

Q.97 Where was the 0832 India Open Competition – Rifle and Pistol 2024 organised and conducted by the National Rifle Association of India in August 2024?

Ans ✘ 1. Aligarh

✘ 2. Panipat

✘ 3. Delhi

✔ 4. Goa

Q.98 Which of the following committees recommended the use of Mixed Reference Period against Uniform Reference Period?

Ans ✘ 1. NITI Aayog

✘ 2. National Sample Survey Organisation

✔ 3. Tendulkar Expert Group

✘ 4. C Rangrajan Committee

Q.99 According to the Census of India 2011, from the given options, which state recorded the lowest literacy rate?

Ans ✘ 1. Uttarakhand

✔ 2. Arunachal Pradesh

✘ 3. Haryana

✘ 4. Meghalaya

Q.100 _____ is a form of government in which the rulers are elected by the people.

Ans ✘ 1. Oligopoly

✘ 2. Theocracy

✘ 3. Fascism

✔ 4. Democracy

Q.101 How does the Securities and Exchange Board of India (SEBI) enhance investor protection?

Ans ✘ 1. By providing insurance to investors

✔ 2. By regulating stock exchanges and securities to prevent fraud

✘ 3. By directly investing in the stock market

✘ 4. By setting monetary policies

Q.102 ISRO successfully tested a 100 W class Polymer Electrolyte Membrane Fuel Cell based Power System (FCPS) in its orbital platform, POEM3, using which of the following two gases?

Ans ✘ 1. Hydrogen and helium

✘ 2. Nitrogen and oxygen

✘ 3. Nitrogen and argon

✔ 4. Hydrogen and oxygen

Q.103 What was the final bidding price of Tata Sons for Air India?

Ans ✘ 1. Rs.16,000 crores

✔ 2. Rs.18,000 crores

✘ 3. Rs.12,000 crores

✘ 4. Rs.22,000 crores

Q.104 Which of the following is NOT a criterion for the post of the Chief Justice of India?

Ans ✘ 1. In the opinion of the President, a distinguished jurist

✔ 2. Has been for at least five years an advocate of a High Court or of two or more such Courts in succession

✘ 3. He/She is a citizen of India

✘ 4. Has been for at least five years a Judge of a High Court or of two or more such Courts in succession

Q.105 Who among the following religious and social reformers contributed in the abolition of Sati in 1929?

Ans ✘ 1. Radhakant Deb

✔ 2. Raja Rammohan Roy

✘ 3. Jyotirao Govindrao Phule

✘ 4. Ishwar Chandra Vidyasagar

Q.106 Which Article of the Indian Constitution provided power to the Supreme Court of India to review its own judgements?

Ans ✘ 1. Article 140

✔ 2. Article 137

✘ 3. Article 138

✘ 4. Article 150

Q.107 Which of the following is responsible for the conversion of stored fats into sugars in plant cell?

Ans
- ✓ 1. Glyoxysome
- ✗ 2. Golgi body
- ✗ 3. Ribosome
- ✗ 4. Oxysome

Q.108 Which of the following pH values indicates neutrality in a solution?

Ans
- ✗ 1. −14
- ✗ 2. 0
- ✓ 3. 7
- ✗ 4. 14

Q.109 The kings of which among the following dynasties defeated the kings of Malaya, Java and Sumatra?

Ans
- ✓ 1. Chola
- ✗ 2. Chera
- ✗ 3. Rashtrakuta
- ✗ 4. Pandaya

Q.110 Which of the following conditions were NOT true for India's first winter scientific arctic expedition flagged off by Kiren Rijiju in 2023?

Ans
- ✗ 1. The exploration was carried out for the months of November to March.
- ✗ 2. There was almost no sunlight for 24 hours.
- ✓ 3. The exploration was carried out for the months of November and December only.
- ✗ 4. Subzero temperatures.

Q.111 Which of the following Neolithic sites yielded the remains of three species of deer (the Barasingha, Gazelle, and Spotted Deer)?

Ans
- ✗ 1. Bhimbetka
- ✓ 2. Kodekal
- ✗ 3. Didwana
- ✗ 4. Patne

Q.112 As of February 2024, which year marked the highest number of prisoners on death row in nearly 20 years in India?

Ans
- ✓ 1. 2023
- ✗ 2. 2019
- ✗ 3. 2021
- ✗ 4. 2020

Q.113 Which of the following Articles of the Indian Constitution provides for the Protection of 'Life and Personal Liberty'?

Ans
- ✗ 1. Article 18
- ✗ 2. Article 25
- ✓ 3. Article 21
- ✗ 4. Article 22

Q.114 Which country officially became the 100th full member of the International Solar Alliance (ISA) in June 2024?

Ans
- ✓ 1. Paraguay
- ✗ 2. Nepal
- ✗ 3. Armenia
- ✗ 4. Spain

Q.115 Which of the following statements is INCORRECT with respect to Agri-Clinics and Agri-Business Centres (AC&ABC) Scheme in India?

Ans
- ✗ 1. NABARD is implementing subsidy component under the scheme on the behalf of Government of India.
- ✗ 2. National Institute of Agricultural Extension Management (MANAGE) is the implementing agency for training component under the scheme.
- ✓ 3. The AC & ABC Scheme is under implementation since April 2008.
- ✗ 4. As of December 2022, about 83810 candidates have been trained under the scheme so far.

Q.116 What do you call the pattern of arrangement of leaves on a stem or branch?

Ans
- ✗ 1. Thallotaxy
- ✓ 2. Phyllotaxy
- ✗ 3. Geotaxis
- ✗ 4. Apotaxis

Q.117 Which of the following Articles of the Indian Constitution states that it is the duty of every citizen of India to safeguard public property and to abjure violence?

Ans
- ✗ 1. Article 51A (k)
- ✗ 2. Article 51A (d)
- ✗ 3. Article 51A (f)
- ✓ 4. Article 51A (i)

Q.118 Which government programme aims to provide employment to rural households through works related to water conservation, land development, and rural infrastructure?

Ans
✗ 1. Pradhan Mantri Rozgar Yojana (PMRY)

✓ 2. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)

✗ 3. National Rural Livelihood Mission (NRLM)

✗ 4. Swachh Bharat Abhiyan

Q.119 Select the correct group of crops that are grown in the 'Rabi' season in India.

Ans
✗ 1. Urad and Groundnut

✓ 2. Gram and Mustard

✗ 3. Gram and Paddy

✗ 4. Barley and Jowar

Q.120 The Carriage of Goods by Sea Bill, 2024, introduced in Lok Sabha on 9 August 2024 seeks to replace the Indian Carriage of Goods by Sea Act, _____.

Ans
✓ 1. 1925

✗ 2. 1921

✗ 3. 1915

✗ 4. 1906

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