Community	SC
Test Center Name	iON Digital Zone iDZ Luthergiri
Test Date	02/12/2024
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 If at same rate of interest, in 2 years, the simple interest is ₹60 and compound interest is ₹66, then what is the principal (in ₹)?

Ans
✖ 1. 143
✔ 2. 150
✖ 3. 145
✖ 4. 154

Q.2 During sale, Raghav bought a notebook marked for ₹50 at 78% discount and a pen marked for ₹100 at 8% discount. How much (in ₹) did he save due to sale?

Ans
✖ 1. 45
✖ 2. 50
✔ 3. 47
✖ 4. 44

Q.3 20% of a number is more than 20% of 530 by 180. The number is:

Ans
✖ 1. 1480
✔ 2. 1430
✖ 3. 1280
✖ 4. 1530

Q.4 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 3 hours 30 minutes. He would have gained 3 hours by driving both ways. How long would it have taken for him to walk both ways with same walking speed?

Ans
✔ 1. 6 hours 15 minutes
✖ 2. 7 hours 30 minutes
✖ 3. 6 hours 45 minutes
✖ 4. 5 hours 15 minutes

Q.5 The ratio of the heights of a right circular cone and a right circular cylinder is 4 : 3 and the ratio of the radii of their bases is 7 : 3. If the volume of the cylinder is 810 cm^3, then the volume (in cm^3) of the cone is:

Ans
✖ 1. 1961
✖ 2. 1955
✖ 3. 1966
✔ 4. 1960

Q.6 Study the given table and answer the question that follows.

The table shows loan disbursed (in ₹ crores) by four banks in different years.

Banks	Years				
	1992	1993	1994	1995	1996
P	20	25	47	31	72
Q	28	35	20	43	39
R	31	32	24	18	15
S	33	18	29	34	44
Total	112	110	120	126	170

What was the percentage increase of disbursement of loans of all banks together from 1994 to 1995?

Ans
✖ 1. 7%
✔ 2. 5%
✖ 3. 8%
✖ 4. 10%

Q.7 Find the value of $\left[(14 \div 7) \times \left\{\dfrac{84}{6} + \dfrac{14}{2} \times (5-3)\right\}\right]$

Ans   ✗ 1. 54

    ✔ 2. 56

    ✗ 3. 42

    ✗ 4. 46

Q.8 The smallest 1-digit number to be added to the 6-digit number 348510 so that it is completely divisible by 11 is:

Ans   ✗ 1. 5

    ✗ 2. 7

    ✗ 3. 9

    ✔ 4. 3

Q.9 Suraj covers 424 km in a boat in 48 hours against the stream and he takes 30 hours with the stream then find the speed of the stream?

Ans   ✗ 1. 8.74 km/h

    ✗ 2. 10.24 km/h

    ✔ 3. 2.65 km/h

    ✗ 4. 9.49 km/h

Q.10 Priya and Ayushi together invested ₹45600 in a business. At the end of the year, out of a total profit of ₹7500, Priya's share was ₹1800. What was the investment of Ayushi?

Ans   ✔ 1. ₹34656

    ✗ 2. ₹35535

    ✗ 3. ₹32910

    ✗ 4. ₹34445

Q.11 Vishal covers 285 km in a boat in 45 hours against the stream and he takes 18 hours with the stream then find the speed of the stream?

Ans   ✔ 1. 4.75 km/h

    ✗ 2. 9.17 km/h

    ✗ 3. 3.35 km/h

    ✗ 4. 7.51 km/h

Q.12 The average of eight numbers is 20. The average of five of these numbers is 12. The average of the remaining three numbers is

Ans   ✔ 1. 33.33

    ✗ 2. 34.33

    ✗ 3. 35.33

    ✗ 4. 32.33

Q.13 The average weight of 6 boxes is 14 kg and the weight of the first box is one-fifth of the remaining boxes. What will be the weight of the first box?

Ans   ✗ 1. 16 kg

    ✗ 2. 12 kg

    ✔ 3. 14 kg

    ✗ 4. 10 kg

Q.14 Express the following into vulgar fraction.

$0.1\overline{4} + 0.2\overline{3} + 2$

Ans   ✗ 1. $2\dfrac{17}{9}$

    ✗ 2. $2\dfrac{19}{30}$

    ✔ 3. $2\dfrac{34}{90}$

    ✗ 4. $2\dfrac{11}{9}$

Q.15 Find the simple interest (in ₹) on ₹2000 at 6.25% per annum rate of interest for the period from 14 February 2023 to 28 April 2023

Ans   ✗ 1. 24

    ✔ 2. 25

    ✗ 3. 23

    ✗ 4. 26

Q.16 Which of the following fractions is the largest?

$$\frac{6}{9}, \quad \frac{7}{84}, \quad \frac{48}{79}, \quad \frac{48}{55}$$

Ans

✗ 1. $\dfrac{7}{84}$

✗ 2. $\dfrac{48}{79}$

✔ 3. $\dfrac{48}{55}$

✗ 4. $\dfrac{6}{9}$

Q.17 A person covers certain distance in 7 hours at a speed of 4 km/h and some more distance in 2 hours at a speed of 2 km/h. Find his average speed for the entire distance covered.

Ans

✔ 1. $3\dfrac{5}{9}$

✗ 2. $5\dfrac{5}{9}$

✗ 3. $4\dfrac{5}{9}$

✗ 4. $2\dfrac{5}{9}$

Q.18 How many kilogrammes of rice costing ₹70/kg must be mixed with 63 kg of rice costing ₹90/kg so that there may be a gain of 15% by selling the mixture at ₹96.60/kg?

Ans

✗ 1. 36

✗ 2. 72

✗ 3. 63

✔ 4. 27

Q.19 Evaluate: 33 ÷ 11 × 3 - 3 × 4

Ans

✗ 1. -1

✗ 2. 0

✔ 3. -3

✗ 4. -4

Q.20 Express the following as a vulgar fraction.
$0.0\overline{13} + 0.\overline{32}$

Ans

✗ 1. $\dfrac{111}{333}$

✗ 2. $\dfrac{111}{990}$

✔ 3. $\dfrac{111}{330}$

✗ 4. $\dfrac{111}{999}$

Q.21 Atul sold 173 chairs and had a gain equal to the selling price of 73 chairs. What is his profit percentage?

Ans

✗ 1. 83%

✗ 2. 78%

✗ 3. 68%

✔ 4. 73%

Q.22 Pranjal's average earning per month in the first three months of a year was ₹19008. 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 ₹99708, then what will be Pranjal's average earning (in ₹) per month from May to December?

Ans

✗ 1. 138867

✔ 2. 138870

✗ 3. 138869

✗ 4. 138871

Q.23 The population of a village was 130000. It increased by 10% in the first year and increased by 30% in the second year. Its population after two years is _____.

Ans

✗ 1. 182000

✔ 2. 185900

✗ 3. 169000

✗ 4. 143000

Q.24 The value of

$$\frac{4}{6} + \frac{1}{6} + \frac{4}{12} + \frac{3}{6} - 1 =$$

Ans

✗ 1. $-\dfrac{1}{12}$

✗ 2. $\dfrac{15}{12}$

✔ 3. $\dfrac{8}{12}$

✗ 4. $\dfrac{7}{12}$

Q.25 A bank offers 8.8% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹1924 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. ₹249.4

✗ 2. ₹247.69

✔ 3. ₹257.69

✗ 4. ₹267.87

Q.26 The average of eight numbers is 20. The average of five of these numbers is 16. The average of the remaining three numbers is

Ans

✗ 1. 27.67

✗ 2. 28.67

✔ 3. 26.67

✗ 4. 25.67

Q.27 Given that $2^{0.83} = x$, $2^{0.09} = y$ and $x^z = y^5$, then the value of z is close to:

Ans

✗ 1. 3.18

✗ 2. 0.87

✔ 3. 0.54

✗ 4. 0.93

Q.28

Find the value of $\left[(81 \div 3) \times \left\{ \dfrac{40}{8} + \dfrac{34}{2} \times (9 - 7) \right\} \right]$

Ans

✗ 1. 1071

✔ 2. 1053

✗ 3. 1037

✗ 4. 1067

Q.29 A hollow spherical shell is made of a metal of density 6 g/cm^3. Its internal and external radius are 2 cm and 4 cm, respectively. What is the weight (in kg) of the shell ?

$(take\ \pi = \dfrac{22}{7})$

Ans

✔ 1. 1.408

✗ 2. 3.28

✗ 3. 2.73

✗ 4. 1.592

Q.30 Sunaina and Reema invest in a business in the ratio 3 : 8. If total profit is Rs. 3927, then what is difference between the profit (in Rs.) of Sunaina and Reema?

Ans

✔ 1. 1785

✗ 2. 1885

✗ 3. 1635

✗ 4. 1935

Q.31 Neha and Kajal invest in a business in the ratio 4 : 9. If total profit is Rs. 5590, then what is difference between the profit (in Rs.) of Neha and Kajal?

Ans

✔ 1. 2150

✗ 2. 2300

✗ 3. 2200

✗ 4. 2000

Q.32 Find the surface area of a sphere whose diameter is equal to 18 cm.

Ans

✗ 1. 69 cm^2

✔ 2. 324 cm^2

✗ 3. 792 cm^2

✗ 4. 886 cm^2

Q.33 A man sold an article for ₹630 by first giving a d% discount on its marked price, and then another discount having the same nominal value (in ₹). If the marked price of the article is ₹700, then what is the value of d?

Ans
- ✗ 1. 9
- ✗ 2. 8
- ✗ 3. 7
- ✔ 4. 5

Q.34 By selling an article at $\frac{3}{8}$ of its actual selling price, Sharad incurs a loss of 19%. If he sells it at 60% of its actual selling price, then t

Ans
- ✗ 1. 30.6%
- ✗ 2. 32.3%
- ✗ 3. 31.9%
- ✔ 4. 29.6%

Q.35 The area of a square plot is 15876 m^2. The length of each side of the plot (in m) is:

Ans
- ✗ 1. 118
- ✗ 2. 128
- ✔ 3. 126
- ✗ 4. 106

Section : **General Intelligence and Reasoning**

Q.36 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) 4 @ 6 K & 2 R G C & T % 7 D Y # 3 5 E * S (Right)

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

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

Q.37 I, J, K, L, P, Q and R are sitting around a square table facing the centre of the table. Only three people sit between P and J. Q sits to the immediate left of J. No one sits to the right of R. Only two people sit between R and Q. K sits to the immediate right of I. How many people sit between L and K?

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

Q.38 A, B, C, D, E, F and G sit around a circular table facing centre. F sits to the immediate left of G. E sits to the immediate left of C. C sits second to the left of A. B sits third to the left of G. How many people sit between F and E when counted from the left of E?

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

Q.39 This question is based on the five, three-digit numbers given below.
(Left) 682 745 524 617 539 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.
What will be the resultant if the third digit of the second highest number is added to the second digit of the lowest number?

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

Q.40 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?
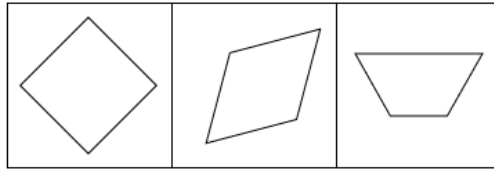
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ 1. BFL
- ✗ 2. JNT
- ✗ 3. FJP
- ✔ 4. NRY

Q.41 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only three boxes are kept below D. Only two boxes are kept between D and G. Only C is kept immediately above B. A is kept at some place below F and at some place above E. How many boxes are kept above B?
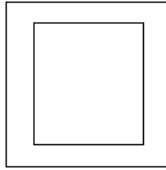
Ans
- ✗ 1. 2
- ✗ 2. 3
- ✔ 3. 1
- ✗ 4. 4

Q.42 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.
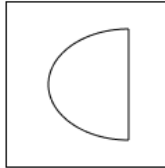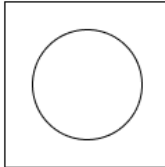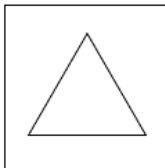

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.

Q.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. XO - RU

✘ 2. RI - LP

✘ 3. OF - IM

✘ 4. UL - OS

Q.44 Refer to the following letter, symbol series and answer the question that follows.
(Left) 3 Ω 9 $ 7 6 @ 5 1 * # % & 8 2 + 4 £ (Right)
If all the symbols are dropped from the series, which of the following will be fifth from the right?

Ans   ✘ 1. 7

✘ 2. 8

✘ 3. 6

✔ 4. 5

Q.45 G is the daughter of F. F is the sister of K. K is the son of H. H is the husband of E. How is G related to E?

Ans   ✘ 1. Mother's sister

✔ 2. Daughter's daughter

✘ 3. Mother's mother

✘ 4. Daughter's son

Q.46 In a certain code language,
A + B means 'A is the daughter 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. Father's brother's daughter

✘ 2. Mother's brother's wife

✘ 3. Father's brother's wife

✘ 4. Mother's brother's daughter

Q.47 Each of the digits in the number 6384921 is arranged in ascending order from left to right. 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. 8

✔ 2. 10

✘ 3. 9

✘ 4. 7

Q.48 What should come in place of the question mark (?) in the given series?

38 37 40 39 42 ?

Ans ✗ 1. 44

✗ 2. 43

✗ 3. 40

✓ 4. 41

Q.49 Select the term from among the given options that can replace the question mark (?) in the following series.

FNT -1 HPP -3 ? LTH -27 NVD -81

Ans ✗ 1. LKV -7

✗ 2. GFT -5

✗ 3. KHF -8

✓ 4. JRL -9

Q.50 Robert starts from Point A and drives 6 km towards South. He then takes a left turn, drives 8 km, turns left and drives 2 km. He then takes a left turn and drives 5 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. 3 km towards East

✗ 2. 5 km towards South

✗ 3. 5 km towards West

✓ 4. 3 km towards West

Q.51 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4635748, 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. 8

✓ 2. 6

✗ 3. 2

✗ 4. 4

Q.52 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

RTW PRU NPS LNQ ?

Ans ✓ 1. JLO

✗ 2. JKO

✗ 3. JKP

✗ 4. JLP

Q.53 In a certain code language, 'SPAM' is coded as '4592' and 'TAPS' is coded as '5412'. What is the code for 'T' in that language?

Ans ✓ 1. 1

✗ 2. 4

✗ 3. 2

✗ 4. 5

Q.54 All 91 people are standing in a row facing north. Fi is 12th from the right end while Yu is 86th from the left end. How many people are there between Fi and Yu?

Ans ✗ 1. 4

✗ 2. 6

✓ 3. 5

✗ 4. 3

Q.55 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

QRU : NTS
KVQ : HXO

Ans ✓ 1. EZM : BBK

✗ 2. KAQ : HCT

✗ 3. SMY : QNX

✗ 4. WKA : ULZ

Q.56 In a certain code language, 'HUNT' is coded as '9876' and 'USER' is coded as '4361'. What is the code for 'U' in that language?

Ans ✓ 1. 6

✗ 2. 8

✗ 3. 1

✗ 4. 4

Q.57 Each letter in the word CLAUSE 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. F

✗ 2. V

✓ 3. M

✗ 4. T

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.

LH-NJ-PS
NJ-PL-RU

Ans
✔ 1. PL-RN-TW
✘ 2. OL-RN-TX
✘ 3. PL-RN-TX
✘ 4. OL-RM-TX

Q.59 Six people, named W, X, Y, Z, T and U, each are of different ages. The age of W is 40. The age of Y is one-fourth times the age of T. The age of Z is four times the age of U. The age of T is five times the age of Z. The age of W is two times the age of Y. If The age of U is one-third times the age of X, what is the age of X?

Ans
✘ 1. 18
✘ 2. 24
✘ 3. 15
✔ 4. 12

Q.60 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. CF - JM
✔ 2. MR - UN
✘ 3. PS - WZ
✘ 4. IL - PS

Q.61 If 'A' stands for '÷' , 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−' , what will come in place of the question mark '?' in the following equation?
(64 A 4) C 28 D 20 C (46 A 23) B 7 C 19 = ?

Ans
✘ 1. 69
✘ 2. 41
✔ 3. 57
✘ 4. 76

Q.62 In a certain code language, 'TAIL' is coded as '2463' and 'INKS' is coded as '9351'. What is the code for 'I' in the given code language?

Ans
✘ 1. 9
✔ 2. 3
✘ 3. 5
✘ 4. 6

Q.63 12 is related to 192 following a certain logic. Following the same logic, 17 is related to 272. To which of the following is 24 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. 384
✘ 2. 404
✘ 3. 374
✘ 4. 394

Q.64 All 47 people are standing in a row facing north. Seema is 22nd from the right end while Bini is 31st from the left end. How many people are there between Seema and Bini?

Ans
✘ 1. 2
✘ 2. 3
✘ 3. 1
✔ 4. 4

Q.65 In the following triad, 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.

PLOT - LTOP - TOLP
BEAN - ENAB - NAEB

Ans
✘ 1. QUIT - UQIT - TUIQ
✔ 2. CRAP - RPAC - PARC
✘ 3. TOWN - OTWN - NOWT
✘ 4. WEST - WSET - TSEW

Q.66 Identify the figure given in the options which when put in place of '?' will logically complete the series.

| △ β

A F | △
A
F β | A △

F β | A
F △
β | ? |

Ans

✗ 1.
```
    F
 △     β
    A
```

✗ 2.
```
    β
 A     F
    △
```

✗ 3.
```
 β     △

 A     F
```

✓ 4.
```
 F     A

 β     △
```

Q.67 Rudra starts from Point A and drives 13 km towards west. He then takes a left turn, drives 12 km, turns left and drives 15 km. He then takes a left turn and drives 14 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 degrees turns only unless specified)

Ans ✗ 1. 3 km to the south

✗ 2. 4 km to the south

✗ 3. 1 km to the south

✓ 4. 2 km to the south

Q.68 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 wafers are candies.
All candies are biscuits.
Some wafers are juices.

Conclusions:
(I): Some candies are juices.
(II): Some biscuits are juices.

Ans ✓ 1. Both conclusions I and II follow

✗ 2. Only conclusion I follows

✗ 3. Neither conclusion I nor II follows

✗ 4. Only conclusion II follows

Q.69 Select the correct mirror image of the given figure when the mirror is placed at line MN as shown.

M
|
E e W s d b
|
N

Ans

✗ 1. d b ƨ W E e

✗ 2. d b ƨ E e W
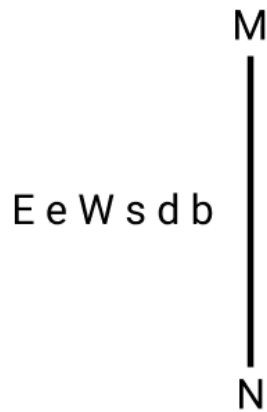
✔ 3. d b ƨ W e E

✗ 4. q p s W e E

Q.70 29 is related to 118 following a certain logic. Following the same logic, 10 is related to 42. To which of the following is 13 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. 51

✗ 2. 52

✔ 3. 54

✗ 4. 56

Section : General Awareness

Q.71 In the context of cellular biology, which of the following statements best describes pseudopodia?

Ans

✗ 1. Rigid structures that provide mechanical support to the cell

✗ 2. Specialised organelles that produce energy for the cell

✔ 3. Temporary projections of the cell membrane used for movement and feeding

✗ 4. Permanent structures on the surface of cells used for locomotion and respiration

Q.72 Which age group is targeted to be covered in the 'New India Literacy Programme' launched by the Government of India?

Ans

✗ 1. 7 years and above

✔ 2. 15 years and above

✗ 3. 25 years and below

✗ 4. 15 years and below

Q.73 Who among the following is the chairperson of the Parliamentary Affairs' Committee in India?

Ans

✗ 1. The Union Home Minister

✗ 2. The Union Finance Minister

✗ 3. The Prime Minister

✔ 4. The Union Defence Minister

Q.74 In the International System of Units (SI), which physical factor has the value $6.62607015 \times 10^{-34}$ joule-hertz^{-1}?

Ans

✗ 1. Stefan–Boltzmann constant

✔ 2. Planck's constant

✗ 3. Von Klitzing constant

✗ 4. Avogadro constant

Q.75 Who among the following Sultans of Delhi started a new department for the development of agriculture called Diwan-i Kohi?

Ans

✗ 1. Ghiyasuddin Balban

✗ 2. Shamsuddin Iltutmish

✔ 3. Muhammad-bin-Tughlaq

✗ 4. Alauddin Khalji

Q.76 From 1999 to 2000, how much percentage of working people in India were employed in the secondary sector?

Ans

✗ 1. 23.8%

✔ 2. 15.8%

✗ 3. 16.8%

✗ 4. 12.8%

Q.77 Which of the following eminent persons called the Indian Constitution as 'Lawyer's Paradise and difficult to understand by common Citizen'?

Ans ✔ 1. Ivor Jenning

✘ 2. KC Wheare

✘ 3. Granville Austin

✘ 4. Morris Jones

Q.78 Which of the following articles is concerned with the Comptroller Auditor General of India?

Ans ✘ 1. Article 154

✘ 2. Article 142

✘ 3. Article 135

✔ 4. Article 148

Q.79 Under the Citizenship Act, 1955, for how many years does a person of Indian origin need to reside in India to become an Indian Citizen?

Ans ✘ 1. 3 years

✘ 2. 5 years

✔ 3. 7 years

✘ 4. 10 years

Q.80 What is the minimum length of residency required by the Indian Constitution for an individual of Indian descent to be eligible for registration as an Indian citizen?

Ans ✘ 1. 5 years

✘ 2. 10 years

✘ 3. 2 years

✔ 4. 7 years

Q.81 What is the SI unit of luminous intensity?

Ans ✘ 1. watt

✘ 2. kelvin

✘ 3. joules

✔ 4. candela

Q.82 India's first artificial satellite, _____, was launched in space by Indian Space Research Organisation.

Ans ✘ 1. ScatSat

✔ 2. Aryabhatta

✘ 3. Bhaskara

✘ 4. Resourcesat

Q.83 The 4th edition of Bilateral Exercise between Indian Navy and Bangladesh Navy, BONGOSAGAR-23 was held in the month of _____ in 2023.

Ans ✘ 1. August

✘ 2. May

✔ 3. November

✘ 4. January

Q.84 How does the Reserve Bank of India (RBI) utilise the repo rate to control inflation?

Ans ✘ 1. Decreasing the repo rate to increase the money supply, encouraging spending and investment

✘ 2. Maintaining a constant repo rate regardless of inflation levels

✔ 3. Increasing the repo rate and making borrowing more expensive for banks, thereby reducing the money supply in the economy

✘ 4. Increasing the repo rate to directly lower the prices of goods and services

Q.85 During the second quarter of the 14th century, three independent kingdoms were established in South India. Which of the following was NOT part of it?

Ans ✘ 1. Ma'bar

✘ 2. Bahmani

✘ 3. Vijaynagara

✔ 4. Daulatabad

Q.86 The Kochi-Lakshadweep Submarine Optical Fibre Cable Project launched by Prime Minister Narendra Modi in January, 2024, is being funded by which of the following entities?

Ans ✘ 1. Kerala Government

✘ 2. World Bank

✘ 3. Asian Development Bank

✔ 4. Universal Services Obligation Fund

Q.87 The Abhinav Bharat Mandir (Young India Society) was founded by _____ and his brother, as a secret organisation during the Indian War of Independence.

Ans ✘ 1. Mahadev Govind Ranade

✔ 2. Vinayak Damodar Savarkar

✘ 3. Damodar Hari Chapekar

✘ 4. Sardar Vallabhbhai Patel

Q.88 Silver medalist at the Paris Paralympic games 2024, Thulasimathi Murugesan is associated with which of the following games?

Ans
- ✗ 1. Athletics
- ✗ 2. Archery
- ✗ 3. Shooting
- ✓ 4. Badminton

Q.89 How do sustainable agriculture practices contribute to rural development?

Ans
- ✗ 1. Sustainable practices have minimal impact on rural development and focus only on environmental conservation
- ✗ 2. By increasing dependence on chemical fertilisers and pesticides
- ✗ 3. They restrict agricultural productivity by limiting the use of modern technologies
- ✓ 4. Through enhancing soil health, water conservation and biodiversity, leading to better long-term agricultural productivity and rural livelihoods

Q.90 Name the blue-fluorescent dye that can be used to stain living or fixed cells.

Ans
- ✗ 1. BODIPY
- ✗ 2. Fuchsin
- ✗ 3. Phalloidin
- ✓ 4. DAPI

Q.91 The Central Government introduced the Oilfields (Regulation and Development) Amendment Bill, 2024 in the Lok Sabha in August 2024 to delink petroleum operations from _____.

Ans
- ✗ 1. forestry
- ✗ 2. agriculture
- ✓ 3. mining
- ✗ 4. maritime activities

Q.92 Who among the following wrote the book, 'The Inheritance of Loss'?

Ans
- ✗ 1. Rajiv Malhotra
- ✗ 2. Alka Joshi
- ✗ 3. Amitav Ghosh
- ✓ 4. Kiran Desai

Q.93 What is the scientific name of 'Eri Silkworm', one of the most exploited, domesticated and commercial non-mulberry silkworms?

Ans
- ✗ 1. Bombyx mori
- ✗ 2. Morus alba
- ✗ 3. Antheraea mylitta
- ✓ 4. Philosamia ricinii

Q.94 Kupagal, a Neolithic site, is located in_____.

Ans
- ✗ 1. Kerala
- ✗ 2. Telangana
- ✗ 3. Andhra Pradesh
- ✓ 4. Karnataka

Q.95 Which city won the Smart Cities India Award 2020?

Ans
- ✓ 1. Surat
- ✗ 2. Bengaluru
- ✗ 3. Pune
- ✗ 4. Varanasi

Q.96 Who among the following national leaders founded the Forward Block in the year 1939?

Ans
- ✗ 1. Jawahar Lal Nehru
- ✓ 2. Subhash Chandra Bose
- ✗ 3. Abul Kalam Azad
- ✗ 4. Pandit Govind Ballabh Pant

Q.97 1 erg is equal to _____.

Ans
- ✗ 1. 10^7 J
- ✓ 2. 10^{-7} J
- ✗ 3. 4.186 J
- ✗ 4. 10^{-5} J

Q.98 The term 'Ghatam' refers to which percussion instrument commonly used in Carnatic music performances?

Ans
- ✗ 1. Cymbals
- ✗ 2. Tambourine
- ✗ 3. Drum
- ✓ 4. Pot

Q.99 Which of the following instruments is NOT commonly used in Hindustani classical music?

Ans ✔ 1. Ghatam

✘ 2. Sitar

✘ 3. Sarod

✘ 4. Veena

Q.100 Which of the following Acts is related to the establishment of High Courts in India?

Ans ✘ 1. Government of India Act, 1861

✘ 2. Constitution of India Act, 1945

✔ 3. Indian High Courts Act, 1861

✘ 4. Indian Councils Act, 1861

Q.101 Which of the following is the socio-religious festival of the Adi community in Arunachal Pradesh?

Ans ✘ 1. Chhath Puja

✘ 2. Rajgir dance festival

✔ 3. Solung festival

✘ 4. Bohag Bihu

Q.102 Serchhip, which recorded highest literacy in Census 2011, is a district in which of the following states?

Ans ✘ 1. Andhra Pradesh

✘ 2. Kerala

✘ 3. Rajasthan

✔ 4. Mizoram

Q.103 Who was named captain of the India's squad for T20I cricket series against Bangladesh played in October 2024?

Ans ✔ 1. Suryakumar Yadav

✘ 2. Rinku Singh

✘ 3. Hardik Pandya

✘ 4. Sanju Samson

Q.104 Which Article of the Indian Constitution is related to constitution of High Courts in the Union Territories of India?

Ans ✔ 1. Article 241

✘ 2. Article 239B

✘ 3. Article 252

✘ 4. Article 239

Q.105 Which of the following states in India has initiated the TANWA project for women in Agriculture?

Ans ✘ 1. Assam

✘ 2. Goa

✔ 3. Tamilnadu

✘ 4. West Bengal

Q.106 Who among the following is known as the first sovereign ruler of the Delhi sultanate?

Ans ✘ 1. Ghaznavid Sultan Mahmud

✘ 2. Qutb al-Dın Aybak

✘ 3. Jalal al-Dın Fıruz Khaljı

✔ 4. Shams al-Din Iltutmish

Q.107 Which of the following was a new introduction to the Advanced Transportation Management system upgraded in October 2023?

Ans ✘ 1. Vehicle Speed Detection System (VSDS)

✔ 2. Video Incident Detection and Enforcement System (VIDES)

✘ 3. Traffic Monitoring Camera System (TMCS)

✘ 4. Radio Frequency Identification (RFID)

Q.108 In July 2024, Robert Jerard Ravi became the new Chairman and Managing Director (CMD) of which of the following telecom companies?

Ans ✘ 1. Vodafone Idea Limited

✘ 2. Reliance Jio Infocomm

✔ 3. Bharat Sanchar Nigam Limited (BSNL)

✘ 4. Mahanagar Telephone Nigam Limited (MTNL)

Q.109 What is the correct sequence of the following biosphere reserves of India from north to south?

1. Dibru-Saikhowa 2. Manas 3. Nokrek

Ans ✘ 1. 1, 3, 2

✘ 2. 2, 3, 1

✘ 3. 3, 1, 2

✔ 4. 1, 2, 3

Q.110 Identify the economic infrastructure that supports financial activities such as stock trading, a variety of investments and deposits, funding initiatives, and loan remittances, both in India and globally.

Ans
- ✘ 1. Brokerage firms
- ✘ 2. Insurance sectors
- ✔ 3. Banking Institutions
- ✘ 4. Asset Management Companies(AMC)

Q.111 Which country held the G20 presidency from 1 December 2023 to 30 November 2024?

Ans
- ✘ 1. India
- ✘ 2. Indonesia
- ✘ 3. South Africa
- ✔ 4. Brazil

Q.112 Who was the chairman of the eighth five-year plan of India?

Ans
- ✔ 1. PV Narasimha Rao
- ✘ 2. Narendra Modi
- ✘ 3. Atal Bihari Vajpayee
- ✘ 4. Manmohan Singh

Q.113 Which of the following is a keystone species in the savanna ecosystem?

Ans
- ✘ 1. Giraffe
- ✘ 2. Zebra
- ✘ 3. Lion
- ✔ 4. Elephant

Q.114 In which year was the Purvanchal Expressway of Uttar Pradesh, connecting Lucknow and Ghazipur, inaugurated by the Prime Minister of India?

Ans
- ✘ 1. 2018
- ✔ 2. 2021
- ✘ 3. 2020
- ✘ 4. 2023

Q.115 Where was the 11th edition of the SAMPRITI military exercise conducted in 2023?

Ans
- ✘ 1. Chittagong, Bangladesh
- ✘ 2. Kolkata, India
- ✘ 3. Dhaka, Bangladesh
- ✔ 4. Umroi, India

Q.116 Which of the following reform organisations promoted studies of ancient Indian religions, philosophies and doctrines under the guidance of Annie Besant?

Ans
- ✘ 1. Arya Samaj
- ✘ 2. Brahmo Samaj
- ✔ 3. Theosophical Society
- ✘ 4. Ramakrishna Mission

Q.117 Which of the following countries has discontinued its 'Golden Visa' programme from 1st January 2024, introduced in 2013, offering residence permits to affluent foreign investors?

Ans
- ✘ 1. Austria
- ✘ 2. Hungary
- ✘ 3. Denmark
- ✔ 4. The Netherlands

Q.118 Which of the following is a characteristic feature of the tropical deciduous forests?

Ans
- ✔ 1. Trees shed leaves seasonally
- ✘ 2. Trees with large leaves
- ✘ 3. Dense canopy all year round
- ✘ 4. Sparse vegetation

Q.119 In which year was the Mission Poshan 2.0 scheme launched in India?

Ans
- ✘ 1. 2023
- ✘ 2. 2020
- ✔ 3. 2021
- ✘ 4. 2024

Q.120 The 'Soil Health Card' scheme involves all the following, EXCEPT:

Ans
- ✘ 1. providing a basis to address nutrient deficiencies in fertilisation practices
- ✘ 2. developing and strengthening the functioning of Soil Testing Laboratories
- ✔ 3. doubling of farmers' income
- ✘ 4. promotion of nutrient management practices and balanced use of fertilisers

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