



## रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

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



Community	UR
Test Center Name	Pawan Ganga Educational Center 2
Test Date	13/12/2024
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 What is a cone's total surface area if its height is 20 cm and radius is 15 cm?

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

Ans

1.  $\frac{14870}{7} \text{ cm}^2$

2.  $\frac{14860}{7} \text{ cm}^2$

3.  $\frac{14850}{7} \text{ cm}^2$

4.  $\frac{14880}{7} \text{ cm}^2$

Q.2 Evaluate:  $33 \div 11 \times 3 - 3 \times 3$

Ans

1. 2

2. -1

3. 3

4. 0

Q.3 A vendor claims to sell wheat at a loss of 35%. But he cheats by using weights that weigh 60% less than what is mentioned on them. What is his profit percentage (rounded off to 2 decimal places)?

Ans

1. 64.56

2. 62.50

3. 57.39

4. 58.64

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Q.4 The smallest 1-digit number to be added to the 6-digit number 649389 so that it is completely divisible by 11 is:

- Ans
- 1. 6
  - 2. 8
  - 3. 7
  - 4. 5

Q.5 Utsavi invested a sum of ₹7500 at 18% per annum compound interest, compounded annually. If she received an amount of ₹10443 after n years, the value of n is:

- Ans
- 1. 1.6
  - 2. 3
  - 3. 2
  - 4. 2.79999995231628

Q.6 Express the following as a vulgar fraction.

$$0.\overline{27} + 0.\overline{39} + 3$$

- Ans
- 1.  $3\frac{1}{3}$
  - 2.  $3\frac{5}{3}$
  - 3.  $3\frac{7}{3}$
  - 4.  $3\frac{2}{3}$

Q.7 A 150 m long train crosses a man walking at a speed of 4 km/h in the opposite direction in 25 seconds. What is the speed (in km/h) of the train?

- Ans
- 1. 22.8
  - 2. 17.6
  - 3. 17.2
  - 4. 15.6

Q.8 The average age of Tinku, Pinku and Rinu was 36 years and that of Pinku and Rinu was 25 years. Find the age of Tinku.

- Ans
- 1. 52 years
  - 2. 58 years
  - 3. 54 years
  - 4. 56 years

Q.9 Find the value of  $\left[ (27 \times 11) \times \left\{ 8 \div 8 \times \frac{(19 - 15)}{4} \right\} \right]$

- Ans
- 1. 282
  - 2. 309
  - 3. 289
  - 4. 297

Q.10 A 976 m long train crosses a man walking at a speed of 3.7 km/h in the opposite direction in 16 seconds. What is the speed (in km/h) of the train?

- Ans
- 1. 214.5
  - 2. 215.6
  - 3. 211.8
  - 4. 215.9

Q.11 A sum, when invested at 10% simple interest per annum, amounts to ₹9360 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate in 2 year?

- Ans
- 1. 780
  - 2. 3120
  - 3. 1560
  - 4. 6240

Q.12 A man sold an article for ₹504 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 ₹3600, then what is the value of d?

- Ans
- 1. 41
  - 2. 39
  - 3. 43
  - 4. 38

Q.13 Which of the following fractions is the largest?

$$\frac{5}{8}, \frac{5}{26}, \frac{63}{64}, \frac{44}{88}$$

- Ans
- 1.  $\frac{63}{64}$
  - 2.  $\frac{44}{88}$
  - 3.  $\frac{5}{26}$
  - 4.  $\frac{5}{8}$

Q.14 Raghu completes his journey in 15 hours. He covers half the distance at 57 km/h and the rest at 78 km/h. What is the length of the journey (in Km)?

- Ans
- 1. 994
  - 2. 980
  - 3. 988
  - 4. 989

Q.15 If the interest earned during the 2nd year on a certain sum is ₹8096, and the rate of interest is 10% per annum compounded annually, then the sum is:

- Ans
- 1. ₹74570
  - 2. ₹74550
  - 3. ₹74495
  - 4. ₹73600

Q.16 A number when increased by 50 %, gives 3600. The number is:

- Ans
- 1. 4800
  - 2. 1200
  - 3. 2400
  - 4. 7200

Q.17 The average of 7 numbers is 53. If each number is increased by 4, what will the new average be?

- Ans
- 1. 53
  - 2. 7
  - 3. 61
  - 4. 57

Q.18 If  $x$  varies inversely as  $y^3 - 1$  and is equal to 4 when  $y = 3$ , find  $x$  when  $y = 9$ .

- Ans
- 1.  $\frac{1}{7}$
  - 2.  $\frac{2}{8}$
  - 3.  $\frac{1}{8}$
  - 4.  $\frac{3}{7}$

Q.19 Lalit's average earning per month in the first three months of a year was ₹12544. 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 ₹41852, then what will be Lalit's average earning (in ₹) per month from May to December?

- Ans
- 1. 55725
  - 2. 55722
  - 3. 55719
  - 4. 55718

Q.20 Three partners invested in a business in the ratio 5:1:9. They invested their capitals for 2 months, 9 months and 11 months, respectively. What was the ratio of their profits?

- Ans
- 1. 9:9:99
  - 2. 13:9:99
  - 3. 8:9:99
  - 4. 10:9:99

Q.21 A dishonest vendor claims that he is selling goods at their cost price. But he is weighing 812 grams for 1000 grams. What is his profit percentage (rounded off to 2 decimal places)?

- Ans
- 1. 20.91
  - 2. 26.29
  - 3. 24.85
  - 4. 23.15

Q.22 Find the volume of a hemisphere of radius 7.7 cm. (Use  $\pi = \frac{22}{7}$ ) (Correct up to one decimal place)

- Ans
- 1.  $856.5 \text{ cm}^3$
  - 2.  $756.5 \text{ cm}^3$
  - 3.  $956.5 \text{ cm}^3$
  - 4.  $656.5 \text{ cm}^3$

Q.23 In an election between two candidates, 80% of the voters cast their vote out of which 53 votes were declared invalid. The winner got 48% of all the voters in the list and he won by 1013 votes. The number of voters on the list was:

- Ans
- 1. 6000
  - 2. 5600
  - 3. 5000
  - 4. 6500

Q.24 Bhavna and Bhumi invest in a business in the ratio 2 : 10. If total profit is Rs. 1140, then what is difference between the profit (in Rs.) of Bhavna and Bhumi?

- Ans
- 1. 910
  - 2. 760
  - 3. 810
  - 4. 860

Q.25 Express the following into a vulgar fraction.

$$0.234 + 0.29$$

- Ans
- 1.  $\frac{29}{99}$
  - 2.  $\frac{25}{99}$
  - 3.  $\frac{23}{90}$
  - 4.  $\frac{29}{55}$

Q.26 A number when divided by a divisor leaves a remainder of 42. When thrice the original number is divided by the same divisor, the remainder is 74. What is the value of the divisor?

- Ans
- 1. 55
  - 2. 54
  - 3. 53
  - 4. 52

Q.27 The average of 7 numbers is 51. If each number is increased by 7, what will the new average be?

- Ans
- 1. 51
  - 2. 7
  - 3. 65
  - 4. 58

Q.28 Express the following as a vulgar fraction.

$$0.\overline{123} + 0.\overline{012} + 3$$

- Ans
- 1.  $3\frac{134}{999}$
  - 2.  $3\frac{135}{999}$
  - 3.  $3\frac{135}{990}$
  - 4.  $3\frac{134}{990}$

Q.29 The volume (in  $\text{cm}^3$ ) of a wire of diameter 6 cm and length 7 m is:

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

- Ans
- 1. 19800
  - 2. 19500
  - 3. 20400
  - 4. 20700

Q.30 LCM and HCF of two numbers are 196 and 7 respectively. If one of the numbers is 49, then find the other number.

- Ans
- 1. 29
  - 2. 28
  - 3. 30
  - 4. 31

Q.31 During sale, Raghav bought a notebook marked for ₹15 at 80% discount and a pen marked for ₹100 at 66% discount. How much (in ₹) did he save due to sale?

- Ans
- 1. 75
  - 2. 79
  - 3. 78
  - 4. 80

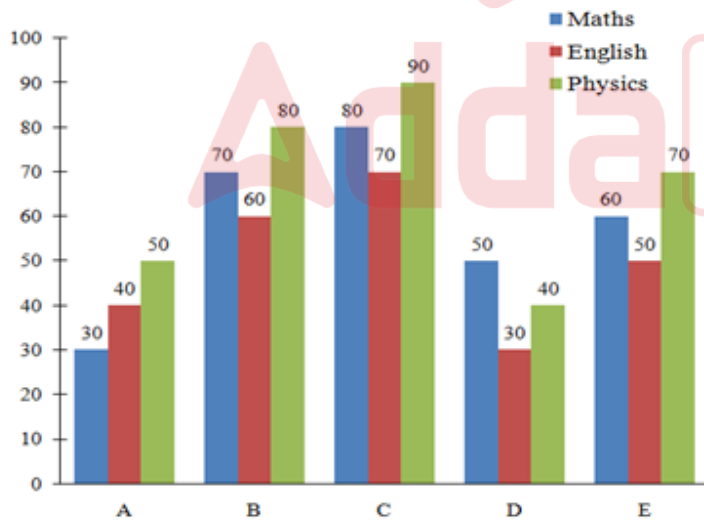
Q.32 Given that  $137^{0.1} = x$ ,  $137^{0.68} = y$  and  $x^z = y^4$ , then the value of z is close to:

- Ans
- 1. 27.13
  - 2. 29.14
  - 3. 27.2
  - 4. 25.05

Q.33 To obtain a mixture valued at ₹205.50 per kg, in what ratio should a grocer combine two types of pulses that cost ₹203 per kg and ₹215 per kg, respectively?

- Ans
- 1. 19 : 5
  - 2. 5 : 17
  - 3. 17 : 5
  - 4. 5 : 19

Q.34 Study the following graph carefully and answer the question given below. Marks scored by five students in subjects (Maths, English and Physics).



What is the difference between the total marks obtained by C and the total marks obtained by E?

- Ans
- 1. 20
  - 2. 80
  - 3. 60
  - 4. 40

**Q.35** A 135 m long train crosses a man walking at a speed of 10.6 km/h in the opposite direction in 12 seconds. What is the speed (in km/h) of the train?

- Ans
- 1. 31.9
  - 2. 32.1
  - 3. 34.4
  - 4. 29.8

Section : General Intelligence and Reasoning

**Q.36** 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?

D	F	μ	τ	#
DD	FF	μμ	ττ	Jη
A	B	C	D	E

- Ans
- 1. E
  - 2. B
  - 3. C
  - 4. A

**Q.37** In a certain code language, 'NOSE' is coded as '9876' and 'REAP' is coded as '4391'. What is the code for 'E' in that language?

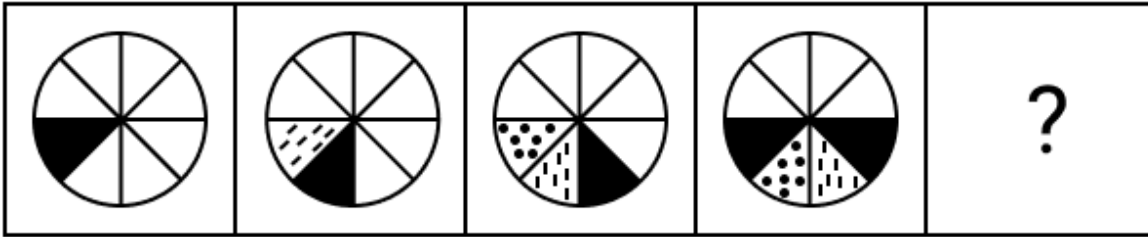
- Ans
- 1. 9
  - 2. 4
  - 3. 6
  - 4. 3

**Q.38** In a certain code language, 'ROAM' is coded as '6417' and 'WORM' is coded as '6274'. What is the code for 'W' in the given code language?

- Ans
- 1. 4
  - 2. 6
  - 3. 7
  - 4. 2

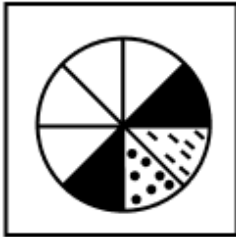


Q.39 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

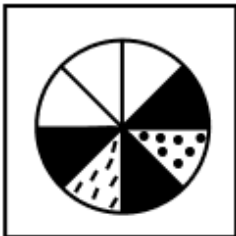


Ans

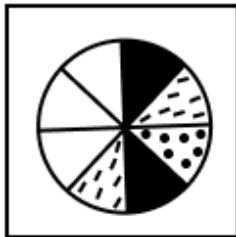
✗ 1.



✗ 2.



✗ 3.



✓ 4.



Q.40 Seven boxes, E, F, G, H, I, J and W, are kept one over the other but not necessarily in the same order. Only one box is kept above J. Only three boxes are kept between E and J. I is kept at one of the positions below E. Only W is kept between J and F. H is kept at one of the positions above J. How many boxes are kept between I and H?

Ans ✓ 1. Five

✗ 2. Three

✗ 3. Two

✗ 4. One

Q.41 In a certain code language, 'FILE' is coded as '3571' and 'LOAD' is coded as '4216'. What is the code for 'L' in the given code language?

Ans ✓ 1. 1

✗ 2. 6

✗ 3. 7

✗ 4. 4

**Q.42** 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.)

36 - 34 - 31 - 27; 45 - 43 - 40 - 36

- Ans
- 1. 64 - 62 - 49 - 45
  - 2. 58 - 56 - 50 - 46
  - 3. 31 - 29 - 27 - 25
  - 4. 49 - 47 - 44 - 40

**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. NF - KO
  - 2. LD - IM
  - 3. JB - GL
  - 4. PH - MQ

**Q.44** If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 8375642, what will be the sum of the greatest and smallest digits in the new number thus formed?

- Ans
- 1. 12
  - 2. 11
  - 3. 8
  - 4. 9

**Q.45** Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1. ALIBbC
  - 2. CLIBbA
  - 3. ALIBbC
  - 4. CALIBb

**Q.46** HKOI is related to MPTN in a certain way based on the English alphabetical order. In the same way, FIMG is related to KNRL. To which of the following is DGKE related, following the same logic?

- Ans
- 1. ILPJ
  - 2. LIPJ
  - 3. LIJP
  - 4. ILJP

Q.47 I, J, K, L, P, Q and R are sitting around a square table facing the centre of the table. Only three people sit to the left of K. Only R sits to the right of Q. Only three people sit between Q and L. P sits at some place to the left of I but at some place to the right of J. How many people sit between J and I?

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

Q.48 R is the father of J. Q is the daughter of P. R is the son of S. J is the daughter of K. P is the wife of S. How is P related to K?

- Ans
- 1. Husband's mother
  - 2. Wife's father
  - 3. Father's sister
  - 4. Brother's wife

Q.49 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

JHO LJQ NLS PNU ?

- Ans
- 1. ROX
  - 2. RPW
  - 3. RPX
  - 4. ROW

Q.50 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 hoodies are jackets.

All jackets are coats.

No jacket is a suit.

Conclusions:

(I) No coat is a suit.

(II) No hoodie is a suit.

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

Q.51 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only C sits to the left of A. Only four people sit between C and F. Only E sits between B and G, and B is not an immediate neighbour of F. How many people sit between A and F?

- Ans
- 1. 1
  - 2. 2
  - 3. 3
  - 4. 4

Q.52 Three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster 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. RPNJ
  - 2. AYWS
  - 3. USQN
  - 4. FDBX

Q.53 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FMJ HOL JQN LSP ?

- Ans
- 1. NTS
  - 2. NUR
  - 3. NUS
  - 4. NTR

Q.54 Each letter in the word DEBRIS is changed to the letter immediately succeeding it in the English alphabetical order and then all the letters thus formed are arranged in English alphabetical order. Which of the following letters will be fifth from the right in the new group of letters thus formed?

- Ans
- 1. C
  - 2. F
  - 3. E
  - 4. J

Q.55 Refer to the following letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) X R £ W % \* Y # @ R U # G & # € £ \* Q € U S (Right)

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

- Ans
- 1. Four
  - 2. Five
  - 3. Three
  - 4. Six

Q.56 Karan ranked 34<sup>th</sup> from the top and 38<sup>th</sup> from the bottom in his class. How many students are there in his class?

- Ans
- 1. 72
  - 2. 70
  - 3. 73
  - 4. 71

Q.57 Aditya starts from Point A and drives 12 km towards South. He then takes a right turn, drives 9 km, turns right and drives 14 km. He then takes a right turn and drives 12 km. He takes a final right 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. 4 km to the west
  - 2. 4 km to the east
  - 3. 3 km to the west
  - 4. 3 km to the east

Q.58 Bishal starts from Point A and drives 18 km towards south. He then takes a left turn, drives 17 km, turns left and drives 19 km. He then takes a left turn and drives 18 km. He takes a final left turn, drives 1 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. 4 km to the east
  - 2. 1 km to the east
  - 3. 3 km to the east
  - 4. 2 km to the east

Q.59 PELB is related to LHHE in a certain way based on the English alphabetical order. In the same way, HKDH is related to DNZK. To which of the given options is ZQVN related to, following the same logic?

- Ans
- 1. USQR
  - 2. VTRQ
  - 3. WSRP
  - 4. WUST

Q.60 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- 1. RK : NI
  - 2. NI : LG
  - 3. KF : ID
  - 4. TO : RM

Q.61 This question is based on the following words.

OWN EAR BUS APT

How many letters are there between the second letter of the first word from the right, and the second letter of the first word from the left?

- Ans
- 1. 7
  - 2. 5
  - 3. 6
  - 4. 8

Q.62 A is the sister of B. B is the brother of C. C is married to D. E is the son of C. B has only one sister. How is D related to E?

- Ans
- 1. Father
  - 2. Brother
  - 3. Son
  - 4. Mother

Q.63 Refer to the following letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) & P @ I T £ O £ D @ R # D K # U # U & \$ A L (Right)

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

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

Q.64 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 2473681, what will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans
- 1. 9
  - 2. 8
  - 3. 6
  - 4. 7

Q.65 What should come in place of the question mark (?) in the given series?

47 48 52 61 ? 102

- Ans
- 1. 99
  - 2. 66
  - 3. 77
  - 4. 88

Q.66 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 :: ?

# : NTR :: LRP : %

- Ans
- 1. # = ILK, % = QMJ
  - 2. # = IPU, % = NJH
  - 3. # = PJM, % = KLU
  - 4. # = IOM, % = QWU

Q.67 Each of the digits in the number 3825476 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. Two
  - 2. None
  - 3. Three
  - 4. One

Q.68 Y, A, T, C and H each has different marks in Urdu. Only two people have scored more than T. H has scored immediately less marks than C. A has scored the highest marks. How many people have scored less than Y?

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

Q.69 Shekhar ranked 24<sup>th</sup> from the top and 21<sup>st</sup> from the bottom in his class. How many students are there in his class?

- Ans
- 1. 41
  - 2. 43
  - 3. 44
  - 4. 42

Q.70 85 is related to 15 following a certain logic. Following the same logic, 70 is related to 12. To which of the following is 105 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. 21
  - 2. 23
  - 3. 25
  - 4. 19

Section : General Awareness

Q.71 When was the Disinvestment Commission established in India?

- Ans
- 1. 1994
  - 2. 1991
  - 3. 1996
  - 4. 1998

Q.72 In which of the following years was the first session of the All India Kisan Sabha held?

- Ans
- 1. 1928
  - 2. 1936
  - 3. 1925
  - 4. 1947

Q.73 Which of the following statements is NOT true regarding basic food groups?

- Ans
- 1. Include at least one serving of milk to ensure a supply of calcium.
  - 2. Include uncooked vegetables and fruits in the meals.
  - 3. Cereals should supply more than 75% of the total Kcal/Calories.
  - 4. Include at least one or a minimum number of servings from each food group in each meal.

Q.74 Which of the following states is known for the dance form Jhoori which is connected with Jhoomar and involves both men and women singing and dancing?

- Ans
- 1. Rajasthan
  - 2. Punjab
  - 3. Assam
  - 4. Himachal Pradesh

Q.75 Which of the following statements is correct regarding the Money Bill in the Parliament?

- Ans
- 1. Money Bill can be introduced in either of the Houses of the Parliament.
  - 2. Money Bill cannot be introduced in the Lok Sabha.
  - 3. Money Bill can be introduced in the Lok Sabha only.
  - 4. Money Bill can be introduced in the Rajya Sabha only.

Q.76 Who among the following started a Marathi fortnightly-Newspaper 'Mooknayak' in 1920?

- Ans
- 1. MC Rajah
  - 2. Dr BR Ambedkar
  - 3. Mahatma Gandhi
  - 4. Swami Acchutanand

Q.77 Consider the motion of a rigid body which is pivoted or fixed in some way. The possible motion for such a system is best described by:

- Ans
- 1. combination of rotation and translation
  - 2. rotation
  - 3. translation
  - 4. circular motion

Q.78 Who among the following was the Architect of the 'Basilica of Bom Jesus' in India?

- Ans
- 1. George Wittet and Goerge Bush
  - 2. Julião Simão and Domingos Fernandes
  - 3. Erbert Baker and Smith
  - 4. William Emerson

Q.79 In August 2024, the Indian Air Force (IAF) gave clearance to which organisations to produce 200 Astra air-to-air missiles?

- Ans
- 1. DRDO and HAL
  - 2. DRDO and BDL
  - 3. DRDO and ISRO
  - 4. BDL and HAL

**Q.80** The Mass Drug Administration Campaign to eliminate Lymphatic Filariasis is being carried out by the Government in around 63 district in 6 states. Which of the following is NOT one of those states?

- Ans**
- 1. Karnataka
  - 2. Chhattisgarh
  - 3. Telangana
  - 4. Jharkhand

**Q.81** The third battle of Panipat was fought between the Maratha Empire and (the) \_\_\_\_\_.

- Ans**
- 1. Durrani Empire
  - 2. Uzbek
  - 3. Timurids
  - 4. Sur Empire

**Q.82** In September 2024, V Satish Kumar took additional charge as Chairman of which of the following oil companies?

- Ans**
- 1. Oil and Natural Gas Corporation (ONGC)
  - 2. Bharat Petroleum Corporation Limited (BPCL)
  - 3. Gas Authority of India Limited (GAIL)
  - 4. Indian Oil Corporation Limited (IOCL)

**Q.83** As per the Census 2011, which of the following north-eastern states has the highest literacy rate?

- Ans**
- 1. Tripura
  - 2. Assam
  - 3. Meghalaya
  - 4. Nagaland

**Q.84** What is the full form of the NAMASTE Scheme, to be implemented for a period of 3 years from FY 2023-24 to FY 2025-26?

- Ans**
- 1. National Assistance for Manual Sanitation and Treatment Endeavors
  - 2. National Action for Mechanised Sanitation Ecosystem
  - 3. National Approach for Manual Sanitation and Treatment Enhancement
  - 4. National Aid for Mechanised Sanitation Technology Enhancement

**Q.85** According to Census 2011, which union territory has the lowest population?

- Ans**
- 1. Daman and Diu
  - 2. Dadra and Nagar Haveli
  - 3. Chandigarh
  - 4. Lakshadweep

**Q.86** In the context of rural development, what is a critical challenge associated with traditional rural credit systems in India?

- Ans**
- 1. Formal banking institutions entirely replace informal lenders, eliminating local financial practices
  - 2. They provide too much credit to rural households, leading to inflation
  - 3. High reliance on informal sources leads to exploitative interest rates and debt traps for farmers
  - 4. Interest rates are uniformly low, discouraging savings

**Q.87** Which Article discusses people born in the Indian province, people with either of their parents born in India and people who typically became Indian residents for five or more years instantaneously before the implementation of the Constitution?

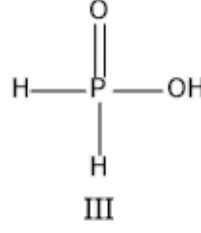
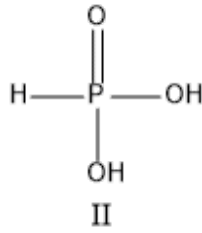
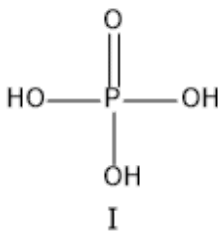
- Ans**
- 1. Article 10
  - 2. Article 5
  - 3. Article 4
  - 4. Article 8



Q.88 As on 30th September 2024, how many member countries are in the World Bank?

- Ans
- 1. 158
  - 2. 171
  - 3. 189
  - 4. 150

Q.89 Arrange the following acids in increasing order of acidic strength.



- Ans
- 1. III<II<I
  - 2. II<III<I
  - 3. III<I<II
  - 4. I<II<III

Q.90 Which of the following Parts of the Indian Constitution deals with the provision regarding composition, appointment and removal of members along with the independence, power and function of the UPSC?

- Ans
- 1. XIV
  - 2. XII
  - 3. XIII
  - 4. XI

Q.91 Dr. YS Rawat was appointed as the Director General of which of the following organisations in December 2023?

- Ans
- 1. Geological Survey of India
  - 2. Botanical Survey of India
  - 3. Archaeological Survey of India
  - 4. Zoological Survey of India

Q.92 The resistances of the filament of two bulbs are  $R_1$  and  $R_2$ . If both of these are connected in parallel, then the ratio of loss of power will be:

- Ans
- 1.  $\frac{R_1}{R_2}$
  - 2.  $\frac{R_2}{R_1}$
  - 3.  $\frac{R_2}{(R_1 + R_2)}$
  - 4.  $\frac{R_1}{(R_1 + R_2)}$

Q.93 How many medals did the Team of Jammu and Kashmir win in the Khelo India Youth Games 2023?

- Ans
- 1. 7
  - 2. 11
  - 3. 9
  - 4. 5

**Q.94** Who among the following exceptional musicians, unable to complete formal schooling, emerged as a musical genius and innovator, credited with inventing the Trimukhi, Panchamukhi, Saptamukhi, and Navamukhi ragas?

- Ans**
- 1. L Subramaniam
  - 2. MS Subbulakshmi
  - 3. M Balamuralikrishna
  - 4. TM Krishna

**Q.95** Which of the following natural heterogeneous polysaccharides present in the middle lamella strengthens the adjacent plant cells and provides cohesion to plant tissues?

- Ans**
- 1. Pectin
  - 2. Mucin
  - 3. Algin
  - 4. Chitin

**Q.96** In which of the following years did Tata Tea acquire the UK-based Tetly?

- Ans**
- 1. 2000
  - 2. 1998
  - 3. 2001
  - 4. 1999

**Q.97** As per World Bank observation, rising rural wages and falling food prices brought about by agricultural intensification in the \_\_\_\_\_ and \_\_\_\_\_ helped to alleviate rural poverty in India.

- Ans**
- 1. 1960s; 1970s
  - 2. 1950s; 1960s
  - 3. 1940s; 1950s
  - 4. 1970s; 1980s

**Q.98** What is the name of the first warship of the Anti-Submarine Warfare Shallow Craft (ASW SWC) project under construction by CSL, Kochi whose first Keel laying ceremony was undertaken on 30 Aug 22?

- Ans**
- 1. Mangrol
  - 2. Arnala
  - 3. Mahe
  - 4. Malwan

**Q.99** Who among the following kings became the follower of the Jainism towards the later stages of his life?

- Ans**
- 1. Kunal
  - 2. Bindusara
  - 3. Ashoka
  - 4. Chandragupta Maurya

**Q.100** CSpace, India's first government-backed Over-The-Top (OTT) platform which addresses challenges in selecting and distributing content, was launched in which of the following states of India in March 2024?

- Ans**
- 1. Bihar
  - 2. Kerala
  - 3. West Bengal
  - 4. Maharashtra

**Q.101** Which of the following river systems is characterised by fixed course, absence of meanders, and non-perennial flow?

- Ans**
- 1. Himalayan
  - 2. Ganga
  - 3. Brahmaputra
  - 4. Peninsular

Q.102 What is the primary role of the National Bank for Agriculture and Rural Development (NABARD) in the Indian economy?

- Ans
- 1. Providing microloans to urban enterprises
  - 2. Managing India's foreign exchange
  - 3. Direct lending to industrial projects
  - 4. Financing rural infrastructure and supporting agricultural development

Q.103 The annual precipitation in Meghalaya exceeds 400 cm, while in Ladakh and western Rajasthan, it is less than 10 cm. Based on the statement, which of the following is the pattern of annual precipitation in India?

- Ans
- 1. More in the western parts
  - 2. More in the northern parts
  - 3. Uniform across the country
  - 4. Highly variable, with significant differences between regions

Q.104 Under the reign of which of the following Mughal Emperors did Bahadur Shah attack Chittor?

- Ans
- 1. Babur
  - 2. Humayun
  - 3. Shah Jahan
  - 4. Aurangzeb

Q.105 Who wrote 'Masterpieces of Vijayanagara Art'?

- Ans
- 1. Pranab Chandra Roy
  - 2. Dr. Sindigi Rajasekhara
  - 3. RK Narayan
  - 4. Dr. V Ganapati Sthapati

Q.106 Which of the following Articles of the Indian Constitution states that no person who is arrested shall be detained in custody without being informed?

- Ans
- 1. Article 22
  - 2. Article 19
  - 3. Article 21
  - 4. Article 20

Q.107 Arrange the following rulers of the Sharqi dynasty in the chronological order.

- Ans
- 1. Mahmud Shah < Hussain Shah < Mubarak Shah < Ibrahim Shah
  - 2. Hussain Shah < Mubarak Shah < Ibrahim Shah < Mahmud Shah
  - 3. Mubarak Shah < Ibrahim Shah < Mahmud Shah < Hussain Shah
  - 4. Hussain Shah < Ibrahim Shah < Mubarak Shah < Mahmud Shah

Q.108 According to which of the following Articles of the Indian Constitution, there shall be a Comptroller and Auditor-General of India who shall be appointed by the President by warrant under his hand and seal?

- Ans
- 1. Article 153
  - 2. Article 145
  - 3. Article 148
  - 4. Article 157

Q.109 Which of the following is a common plant species found in tropical evergreen forests?

- Ans
- 1. Teak
  - 2. Cactus
  - 3. Acacia
  - 4. Mahogany

Q.110 Who among the following are involved in the election of the President of India?

1. Elected members of the Lok Sabha
2. All members of the Rajya Sabha
3. Elected members of the State Assembly
4. Elected members of the State Legislative Council

- Ans
- 1. 1 and 3 only
  - 2. 1, 2 and 3 only
  - 3. 1, 2, 3 and 4
  - 4. 1 and 2 only

Q.111 Who among the following was the first person to discuss the concept of the poverty line in pre-independent India?

- Ans
- 1. Balgangadhar Tilak
  - 2. Annie Bessant
  - 3. Surendranath Banerjee
  - 4. Dadabhai Naoroji

Q.112 Which of the following statements is true about India's Chandrayaan -3 mission?

- Ans
- 1. RAMBHA and ChaSTE were amongst its rover payloads.
  - 2. Propulsion Module placed the lander module in 100 km lunar orbit.
  - 3. It was launched using GSLV.
  - 4. LISA and LRA were amongst its lander payloads.

Q.113 Which amendment of the Indian Constitution asserted a list of 'Fundamental Duties'?

- Ans
- 1. 40
  - 2. 42
  - 3. 43
  - 4. 41

Q.114 Which Indian bowler topped the chart of most wickets in the T20 World Cup 2024, along with Fazalhaq Farooqi of Afghanistan?

- Ans
- 1. Jasprit Bumrah
  - 2. Arshdeep Singh
  - 3. Mohammed Siraj
  - 4. Axar Patel

Q.115 Netaji Subhas Chandra Bose International Airport is situated in which of the following cities?

- Ans
- 1. Kolkata
  - 2. Chennai
  - 3. New Delhi
  - 4. Mumbai

Q.116 Which of the following organisations became a member of G20 in 2023 under India's presidency?

- Ans
- 1. South Asian Association for Regional Co-operation
  - 2. African Union
  - 3. Association of South East Asian Nations
  - 4. The Quad group

Q.117 \_\_\_\_\_ is the total value of goods and services produced in a country in addition to the income from abroad.

- Ans
- 1. National Product/National Income
  - 2. Average Product Income
  - 3. Gross Domestic Product
  - 4. Net National Value

Q.118 Which of the following statements is INCORRECT about aneuploids?

- Ans
- 1. One or more chromosomes of a chromosome set either missing or having more copies
  - 2. Organisms having more than two sets of chromosomes in each cell
  - 3. Unequal distribution of chromosomes to opposite poles
  - 4. Usually results from irregular meiotic division

Q.119 Which plan sets targets to cover all major aspects of the economy?

- Ans
- 1. Comprehensive plan
  - 2. Partial plan
  - 3. Global plan
  - 4. Imperative plan

Q.120 When was a member of the British Cabinet appointed as a 'Secretary of State for India' and made responsible for all matters related to the governance of India?

- Ans
- 1. 1858
  - 2. 1919
  - 3. 1911
  - 4. 1929

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