रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Participant ID	Join YouTube Channel
Participant Name	Join YouTube Channel
Test Center Name	SINCO LEARNING CENTER
Test Date	14/03/2021
Test Time	10:30 AM - 12:00 PM
Subject	NTPC

* Note
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark.

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 : **NTPC**

Q.1 Two concentric circles drawn with the radius of inner circle 6cm and outer circle radius 50% more than inner circle.
What is the area of the annulus formed between two circles?

Ans

✗ 1. $\dfrac{890}{7}$ cm^2

✗ 2. $\dfrac{900}{7}$ cm^2

✗ 3. 990 cm^2

✔ 4. $\dfrac{990}{7}$ cm^2

Question ID : **9489119867**
Option 1 ID : **94891139468**
Option 2 ID : **94891139466**
Option 3 ID : **94891139467**
Option 4 ID : **94891139465**
Status : **Answered**
Chosen Option : **4**

Q.2 A bus is travelling with $\frac{7}{8}$ of its actual speed to cover 42 km in 1 h 16 min. Find the actual speed of the bus.

Ans
1. 31 km/h
2. 35 km/h
3. 48 km/h
4. 30 km/h

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Question ID : **9489119862**
Option 1 ID : **94891139445**
Option 2 ID : **94891139447**
Option 3 ID : **94891139448**
Option 4 ID : **94891139446**
Status : **Answered**
Chosen Option : **3**

Q.3 In which of the following plants is the body NOT differentiated into roots, stems and leaves?

Ans
✗ 1. Fern
✗ 2. Marsilea
✓ 3. Chara
✗ 4. Deodar

Question ID : **9489119214**
Option 1 ID : **94891136853**
Option 2 ID : **94891136855**
Option 3 ID : **94891136854**
Option 4 ID : **94891136856**
Status : **Marked For Review**
Chosen Option : **1**

Q.4 How many basic elements (Tatvas) have been described by early Indian philosophers to classify matter?

Ans
✓ 1. Five
✗ 2. Three
✗ 3. Six
✗ 4. Nine

Question ID : **9489119211**
Option 1 ID : **94891136841**
Option 2 ID : **94891136844**
Option 3 ID : **94891136842**
Option 4 ID : **94891136843**
Status : **Answered**
Chosen Option : **1**

Q.5 Read the following statement:

"I am going to watch her expenditure pattern because I notice a tendency on her part to splurge."

Which of the following conclusions is/are valid with respect to the statement?

(A) The speaker is a well-wisher of hers.

(B) She is spending beyond her means.

(C) The speaker is a concerned parent.

Ans ✗ 1. A and C

✗ 2. A and B

✓ 3. A alone

✗ 4. A, B and C

Question ID : **9489119383**
Option 1 ID : **94891137531**
Option 2 ID : **94891137532**
Option 3 ID : **94891137530**
Option 4 ID : **94891137529**
Status : **Answered**
Chosen Option : **4**

Q.6 Who among the following has been NOT awarded the Padma Bhushan in 2021?

Ans ✗ 1. Sumitra Mahajan

✗ 2. Nripendra Misra

✓ 3. S P Balasubramaniam

✗ 4. Ram Vilas Paswan

Question ID : **9489119204**
Option 1 ID : **94891136815**
Option 2 ID : **94891136816**
Option 3 ID : **94891136814**
Option 4 ID : **94891136813**
Status : **Answered**
Chosen Option : **3**

Q.7 If cosecA − cotA = 3 then cosecA + cotA = ?

Ans

✔ 1. $\dfrac{1}{3}$

✘ 2. $\dfrac{1}{2}$

✘ 3. $\dfrac{1}{5}$

✘ 4. $\dfrac{3}{2}$

Question ID : **9489119871**
Option 1 ID : **94891139483**
Option 2 ID : **94891139481**
Option 3 ID : **94891139484**
Option 4 ID : **94891139482**
Status : **Answered**
Chosen Option : **1**

Q.8 At which place has India established CIRUS reactor?

Ans

✔ 1. Trombay, Mumbai

✘ 2. Kalpakkam, Tamil Nadu

✘ 3. Indore, Madhya Pradesh

✘ 4. Jadugoda, Jharkhand

Question ID : **9489119232**
Option 1 ID : **94891136926**
Option 2 ID : **94891136925**
Option 3 ID : **94891136928**
Option 4 ID : **94891136927**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Which of the following cities was the venue for the meeting of the Shanghai Cooperation Organisation's Heads of State Council in 2019?

Ans

✘ 1. Shanghai

✘ 2. Dushanbe

✔ 3. Bishkek

✘ 4. Osh

Question ID : **9489119207**
Option 1 ID : **94891136825**
Option 2 ID : **94891136828**
Option 3 ID : **94891136827**
Option 4 ID : **94891136826**
Status : **Not Answered**
Chosen Option : **--**

Q.10

If $\frac{a}{b} = \frac{b}{c} = \frac{c}{d}$, then $\frac{b^3+c^3+d^3}{a^3+b^3+c^3}$ will be equal to:

Ans

✗ 1. $\frac{a}{d}$

✗ 2. $\frac{d}{c}$

✔ 3. $\frac{d}{a}$

✗ 4. $\frac{b}{d}$

Q.11 Who is the author of the famous Kannada play 'Tughlaq' which is also staged in other Indian languages?

Ans

✗ 1. Shiv K Kumar

✔ 2. Girish Karnad

✗ 3. Masti Venkatesha Iyengar

✗ 4. Chandrashekhara Kambara

Q.12 In which city was Gandhiji informed about the problems in Champaran and invited to visit the place?

Ans

✗ 1. Patna

✔ 2. Lucknow

✗ 3. Ahmedabad

✗ 4. Delhi

Q.13 Which railway station is a part of UNESCO's world heritage sites?

Ans
✗ 1. Anand Vihar Terminus

✗ 2. Lokmanya Tilak Terminus

✗ 3. Kolkata Terminus

✔ 4. Chhatrapati Shivaji Maharaj Terminus

Question ID : **9489119210**
Option 1 ID : **94891136837**
Option 2 ID : **94891136838**
Option 3 ID : **94891136840**
Option 4 ID : **94891136839**
Status : **Answered**
Chosen Option : **4**

Q.14 Global Positioning System (GPS) is a network of several satellites orbiting the Earth at an approximate altitude of:

Ans
✔ 1. 20,000 km

✗ 2. 25,000 km

✗ 3. 30,000 km

✗ 4. 15,000 km

Question ID : **9489119238**
Option 1 ID : **94891136950**
Option 2 ID : **94891136951**
Option 3 ID : **94891136952**
Option 4 ID : **94891136949**
Status : **Not Answered**
Chosen Option : **--**

Q.15 If each side of a rectangle is increased by 25%, then its area will increase by:

Ans
✗ 1. $55\frac{1}{4}\%$

✔ 2. $56\frac{1}{4}\%$

✗ 3. $60\frac{1}{4}\%$

✗ 4. $54\frac{1}{4}\%$

Question ID : **9489119866**
Option 1 ID : **94891139462**
Option 2 ID : **94891139463**
Option 3 ID : **94891139464**
Option 4 ID : **94891139461**
Status : **Answered**
Chosen Option : **2**

Q.16 Find the remainder when $11^9 + 7$ is divided by 10.

Ans ✔ 1. 8
✘ 2. 7
✘ 3. 1
✘ 4. 9

Question ID : **9489119850**
Option 1 ID : **94891139397**
Option 2 ID : **94891139398**
Option 3 ID : **94891139400**
Option 4 ID : **94891139399**
Status : **Answered**
Chosen Option : **1**

Q.17 When was the first synchronous census conducted in India?

Ans ✔ 1. 1881
✘ 2. 1972
✘ 3. 1873
✘ 4. 2001

Question ID : **9489119226**
Option 1 ID : **94891136902**
Option 2 ID : **94891136903**
Option 3 ID : **94891136904**
Option 4 ID : **94891136901**
Status : **Answered**
Chosen Option : **1**

Q.18 Who built the 'Shahi' road connecting Indus Valley to Sonar Valley?

Ans ✘ 1. Shahjahan
✘ 2. Akbar
✔ 3. Sher Shah Suri
✘ 4. Humayun

Question ID : **9489119239**
Option 1 ID : **94891136956**
Option 2 ID : **94891136953**
Option 3 ID : **94891136954**
Option 4 ID : **94891136955**
Status : **Answered**
Chosen Option : **3**

Q.19 The HCF of 156, 455 and 1183 is:

Ans

✗ 1. 7

✗ 2. 3

✔ 3. 13

✗ 4. 17

Question ID : **9489119848**
Option 1 ID : **94891139391**
Option 2 ID : **94891139392**
Option 3 ID : **94891139390**
Option 4 ID : **94891139389**
Status : **Answered**
Chosen Option : **3**

Q.20 The number $0.124\overline{64}$ in the form $\frac{p}{q}$ is equal to:

Ans

✗ 1. $\dfrac{117}{1950}$

✗ 2. $\dfrac{17}{950}$

✔ 3. $\dfrac{617}{4950}$

✗ 4. $\dfrac{67}{4999}$

Question ID : **9489119846**
Option 1 ID : **94891139382**
Option 2 ID : **94891139381**
Option 3 ID : **94891139383**
Option 4 ID : **94891139384**
Status : **Answered**
Chosen Option : **3**

Q.21 If $\sin A = \dfrac{4}{\sqrt{17}}$ then $\tan 2A = ?$ $(0° < A < 90°)$

Ans

✔ 1. $-\dfrac{8}{15}$

✘ 2. $-\dfrac{21}{15}$

✘ 3. $-\dfrac{7}{15}$

✘ 4. $-\dfrac{4}{15}$

Question ID : **9489119870**
Option 1 ID : **94891139479**
Option 2 ID : **94891139480**
Option 3 ID : **94891139478**
Option 4 ID : **94891139477**
Status : **Answered**
Chosen Option : **1**

Q.22 Which agency has built and is maintaining the Leh-Manali Highway?

Ans

✘ 1. Himachal Pradesh State Highway Authority

✘ 2.
National Highways and Infrastructure Development Corporation (NHIDCL)

✔ 3. The Border Road Organisation

✘ 4. National Highway Authority of India

Question ID : **9489119243**
Option 1 ID : **94891136971**
Option 2 ID : **94891136972**
Option 3 ID : **94891136970**
Option 4 ID : **94891136969**
Status : **Answered**
Chosen Option : **2**

Q.23 Who was the author of the Sanskrit epic Mahabharata?

Ans ✗ 1. Shree Sukhdevji

✗ 2. Shree Krishna

✓ 3. Maharishi Veda Vyasa

✗ 4. Maharishi Valmiki

Question ID : **9489119209**
Option 1 ID : **94891136836**
Option 2 ID : **94891136835**
Option 3 ID : **94891136834**
Option 4 ID : **94891136833**
Status : **Answered**
Chosen Option : **3**

Q.24 According to Article 170, the number of seats in the Legislative Assembly of each State should not be more than
_____.

Ans ✗ 1. 550

✗ 2. 475

✗ 3. 525

✓ 4. 500

Question ID : **9489119227**
Option 1 ID : **94891136908**
Option 2 ID : **94891136905**
Option 3 ID : **94891136906**
Option 4 ID : **94891136907**
Status : **Answered**
Chosen Option : **1**

Q.25 The ratio of two numbers is $3 : 5$ and their LCM is 105. What is the difference between the numbers?

Ans ✗ 1. 10

✗ 2. 7

✓ 3. 14

✗ 4. 4

Question ID : **9489119851**
Option 1 ID : **94891139404**
Option 2 ID : **94891139402**
Option 3 ID : **94891139403**
Option 4 ID : **94891139401**
Status : **Answered**
Chosen Option : **3**

Q.26 Who among the following organized the "Red Shirts" movement?

Ans ✗ 1. J. B. Kriplani

✔ 2. Khan Abdul Gaffar Khan

✗ 3. Shaukat Ali

✗ 4. Maulana Abul Kalam Azad

Question ID : **9489119217**
Option 1 ID : **94891136865**
Option 2 ID : **94891136867**
Option 3 ID : **94891136868**
Option 4 ID : **94891136866**
Status : **Not Answered**
Chosen Option : **--**

Q.27 2 men and 3 women can earn ₹49 in 7 days. 3 men and 6 women can earn ₹96 in 8 days. In what time 1 man and 1 woman earn ₹27?

Ans ✔ 1. 9 days

✗ 2. 8 days

✗ 3. 10 days

✗ 4. 7 days

Question ID : **9489119863**
Option 1 ID : **94891139450**
Option 2 ID : **94891139452**
Option 3 ID : **94891139451**
Option 4 ID : **94891139449**
Status : **Answered**
Chosen Option : **1**

Q.28 Calculate the mean for the following data.

5.2, 13.3, 17.5, 19.5, 21.4

Ans ✔ 1. 15.38

✗ 2. 15.20

✗ 3. 15.50

✗ 4. 15.68

Question ID : **9489119868**
Option 1 ID : **94891139470**
Option 2 ID : **94891139469**
Option 3 ID : **94891139471**
Option 4 ID : **94891139472**
Status : **Answered**
Chosen Option : **1**

Q.29 If with simple interest, an amount doubles in 5 years, how many times of the original amount, will it be after 8 years with same rate of simple interest?

Ans ✖ 1. $2\frac{1}{5}$ times

✖ 2. $3\frac{2}{5}$ times

✔ 3. $2\frac{3}{5}$ times

✖ 4. $3\frac{3}{5}$ times

Question ID : **9489119859**
Option 1 ID : **94891139433**
Option 2 ID : **94891139435**
Option 3 ID : **94891139434**
Option 4 ID : **94891139436**
Status : **Answered**
Chosen Option : **3**

Q.30 Which software is more useful for presentation in a classroom?

Ans ✖ 1. Microsoft Access

✖ 2. Microsoft Excel

✔ 3. Microsoft Power Point

✖ 4. Microsoft Word

Question ID : **9489119236**
Option 1 ID : **94891136943**
Option 2 ID : **94891136944**
Option 3 ID : **94891136942**
Option 4 ID : **94891136941**
Status : **Answered**
Chosen Option : **3**

Q.31 Rama packs 36 boxes in 1 h. Her sister needs 3 h to pack the same number. How much time will they together take to pack these 36 boxes?

Ans ✖ 1. 40 min

✖ 2. 38 min

✖ 3. 42 min

✔ 4. 45 min

Question ID : **9489119861**
Option 1 ID : **94891139441**
Option 2 ID : **94891139444**
Option 3 ID : **94891139443**
Option 4 ID : **94891139442**
Status : **Answered**
Chosen Option : **4**

Q.32 Select the option in which the numbers share the same relationship as that shared by the given group of numbers.

(15, 7, 110)

Ans

✗ 1. (21, 4, 90)

✗ 2. (17, 2, 44)

✗ 3. (44, 2, 95)

✔ 4. (18, 5, 95)

Question ID : **9489119393**
Option 1 ID : **94891137570**
Option 2 ID : **94891137572**
Option 3 ID : **94891137571**
Option 4 ID : **94891137569**
Status : **Answered**
Chosen Option : **4**

Q.33 Two regular polygons have the same number of sides. Their lengths are in the ratio $7 : 5$ and the area of the larger polygon is 1127 cm^2. Find the area of the smaller polygon.

Ans

✔ 1. 575 cm^2

✗ 2. 565 cm^2

✗ 3. 585 cm^2

✗ 4. 550 cm^2

Question ID : **9489119872**
Option 1 ID : **94891139486**
Option 2 ID : **94891139487**
Option 3 ID : **94891139485**
Option 4 ID : **94891139488**
Status : **Answered**
Chosen Option : **1**

Q.34

The value of $\dfrac{\frac{8}{3} \div \frac{3}{5} \times \frac{7}{5}}{\frac{5}{3} \div \frac{5}{7} \times \frac{8}{9}} \div 9$ is:

Ans

✔ 1. $\dfrac{1}{3}$

✘ 2. $\dfrac{3}{5}$

✘ 3. $\dfrac{2}{3}$

✘ 4. $\dfrac{1}{5}$

Question ID : **9489119844**
Option 1 ID : **94891139374**
Option 2 ID : **94891139376**
Option 3 ID : **94891139373**
Option 4 ID : **94891139375**
Status : **Answered**
Chosen Option : **1**

Q.35 Which article of the Indian Constitution declares Hindi as the language of the Union?

Ans

✘ 1. Article 29(1)

✘ 2. Article 29(2)

✘ 3. Article 343(2)

✔ 4. Article 343(1)

Question ID : **9489119229**
Option 1 ID : **94891136914**
Option 2 ID : **94891136916**
Option 3 ID : **94891136915**
Option 4 ID : **94891136913**
Status : **Answered**
Chosen Option : **3**

Q.36 The greatest number of four digits which is divisible by 18, 25, 45 and 55 is:

Ans ✔ 1. 9900

✘ 2. 9950

✘ 3. 9500

✘ 4. 9940

Question ID : **9489119853**
Option 1 ID : **94891139412**
Option 2 ID : **94891139409**
Option 3 ID : **94891139411**
Option 4 ID : **94891139410**
Status : **Answered**
Chosen Option : **1**

Q.37 The sum of the salaries of A and B together is ₹4300. A spends 95% of his salary and B, 80% of his salary. If their savings are the same, what is A's salary?

Ans ✔ 1. ₹3440

✘ 2. ₹3445

✘ 3. ₹3442

✘ 4. ₹3430

Question ID : **9489119860**
Option 1 ID : **94891139438**
Option 2 ID : **94891139439**
Option 3 ID : **94891139440**
Option 4 ID : **94891139437**
Status : **Answered**
Chosen Option : **1**

Q.38 Arrange the following events during India's freedom struggle, chronologically:

I. The Salt March

II. Jallianwala Bagh Massacre

III. Quit India Movement

IV. Non Cooperation Movement

Ans ✘ 1. I, II, III, IV

✔ 2. II, IV, I, III

✘ 3. III, IV, II, I

✘ 4. IV, I, II, III

Question ID : **9489119218**
Option 1 ID : **94891136869**
Option 2 ID : **94891136871**
Option 3 ID : **94891136870**
Option 4 ID : **94891136872**
Status : **Answered**
Chosen Option : **2**

Q.39 Looking at a photo of a person a girl said, "His daughter's paternal uncle's wife is my mother." What is the relation of that girl to the mother of the person in the photo?

Ans
   ✔ 1. Son's Daughter

   ✘ 2. Father's Mother

   ✘ 3. Brother's Daughter

   ✘ 4. Daughter's Daughter

Question ID : **9489119379**
Option 1 ID : **94891137513**
Option 2 ID : **94891137516**
Option 3 ID : **94891137515**
Option 4 ID : **94891137514**
Status : **Answered**
Chosen Option : **1**

Q.40 Calculate the standard deviation for the following data.

3, 4, 5, 6, 7

Ans
   ✘ 1. $\sqrt{3}$

   ✘ 2. $\sqrt{6}$

   ✔ 3. $\sqrt{2}$

   ✘ 4. 2

Question ID : **9489119869**
Option 1 ID : **94891139473**
Option 2 ID : **94891139475**
Option 3 ID : **94891139474**
Option 4 ID : **94891139476**
Status : **Not Answered**
Chosen Option : **--**

Q.41 Five persons A, B, C, D and E are taking part in a race, each with a car of different colour, i.e. black, white, blue, yellow, red, not necessarily in same order. Blue car is leading in the race and A is the slowest person in the race. The one that has red car is just behind E. B has a white car and it needs to cross just one person to be at the second position. C is just behind D. The one who is at the second last position does not drive black car. Who is driving yellow car and what is its position in the race?

Ans
✗ 1. B, 3rd

✗ 2. A, 5th

✗ 3. D, 3rd

✔ 4. E, 4th

Question ID : **9489119402**
Option 1 ID : **94891137608**
Option 2 ID : **94891137607**
Option 3 ID : **94891137606**
Option 4 ID : **94891137605**
Status : **Answered**
Chosen Option : **4**

Q.42 If one angle of a parallelogram is 12° less than twice the smallest angle of the same parallelogram, then the largest angle of the parallelogram is:

Ans
✔ 1. 116°

✗ 2. 106°

✗ 3. 136°

✗ 4. 86°

Question ID : **9489119873**
Option 1 ID : **94891139490**
Option 2 ID : **94891139489**
Option 3 ID : **94891139491**
Option 4 ID : **94891139492**
Status : **Answered**
Chosen Option : **1**

Q.43 A person invested $\frac{1}{4}$ of his capital at $3\frac{1}{2}\%$, $\frac{1}{3}$ at $7\frac{1}{2}\%$ and the remaining at 8% simple interest. If the amount of the yearly simple interest is ₹2,576 then what is the amount of the capital?

Ans
✗ 1. ₹39500

✗ 2. ₹36800

✔ 3. ₹38400

✗ 4. ₹27600

Question ID : **9489119858**
Option 1 ID : **94891139430**
Option 2 ID : **94891139432**
Option 3 ID : **94891139429**
Option 4 ID : **94891139431**
Status : **Answered**
Chosen Option : **3**

Q.44 In a certain code language, DUMBLEDORE is written as DOREELDUMB and INDIVIDUAL is written as DUALIVINDI. How will APPENDICES be written as in that language?

Ans
✗ 1. PEAPDNESIC
✗ 2. ICESNDAPPE
✗ 3. PEPADNCISE
✔ 4. ICESDNAPPE

Question ID : **9489119377**
Option 1 ID : **94891137505**
Option 2 ID : **94891137507**
Option 3 ID : **94891137508**
Option 4 ID : **94891137506**
Status : **Answered**
Chosen Option : **4**

Q.45 A to H are sitting in a row but not necessarily in the same order. E is the fifth from the left and A is the fifth from the right. B and D are adjacent to each other. H is at one end and not a neighbour of D. A is between C and E. There are two persons between E and G. There are three persons between A and D. Who is the third to the left of the person sitting fourth to the right of C?

Ans
✗ 1. H
✔ 2. A
✗ 3. B
✗ 4. F

Question ID : **9489119401**
Option 1 ID : **94891137602**
Option 2 ID : **94891137603**
Option 3 ID : **94891137601**
Option 4 ID : **94891137604**
Status : **Answered**
Chosen Option : **2**

Q.46 Solve the given equation.

$$0.5 \times 0.5 - 0.5 \div 5 \div 0.5 = ?$$

Ans
✗ 1. 0.025
✗ 2. 0.25
✗ 3. 0.50
✔ 4. 0.05

Question ID : **9489119845**
Option 1 ID : **94891139379**
Option 2 ID : **94891139377**
Option 3 ID : **94891139380**
Option 4 ID : **94891139378**
Status : **Answered**
Chosen Option : **4**

Q.47 Which of the following politicians has never been a leader of the House in the Lok Sabha?

Ans ✗ 1. Shri Narendra Modi

✗ 2. Shri Atal Bihari Bajpayee

✔ 3. Shri Manmohan Singh

✗ 4. Shri Pranab Mukherjee

Question ID : **9489119228**
Option 1 ID : **94891136909**
Option 2 ID : **94891136912**
Option 3 ID : **94891136911**
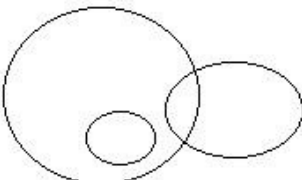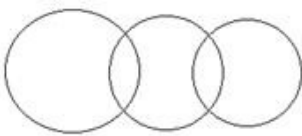Option 4 ID : **94891136910**
Status : **Not Answered**
Chosen Option : **--**

Q.48 Select the Venn diagram that best represents the relationship between the following classes.

Birds, Ostriches, Bats

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **9489119396**
Option 1 ID : **94891137583**
Option 2 ID : **94891137584**
Option 3 ID : **94891137581**
Option 4 ID : **94891137582**
Status : **Answered**
Chosen Option : **4**

Q.49 Which two signs need to be interchanged to make the following equation correct?

$24 + 3 \times 4 - 30 \div 10 = 12$

Ans
✘ 1. $\div$ and $\times$

✔ 2. $+$ and $\div$

✘ 3. $\div$ and $-$

✘ 4. $+$ and $-$

Question ID : **9489119385**
Option 1 ID : **94891137539**
Option 2 ID : **94891137538**
Option 3 ID : **94891137540**
Option 4 ID : **94891137537**
Status : **Answered**
Chosen Option : **2**

Q.50 In a certain code language, CALCULATOR is written as ACCLLUTARO and HEARTBREAK is written as EHRABTERKA. How will EKSEKTRA be written as in that language?

Ans
✘ 1. KESETKAR

✘ 2. KEESKTAR

✘ 3. KEESTKRA

✔ 4. KEESTKAR

Question ID : **9489119376**
Option 1 ID : **94891137502**
Option 2 ID : **94891137501**
Option 3 ID : **94891137503**
Option 4 ID : **94891137504**
Status : **Answered**
Chosen Option : **4**

Q.51 How many factors of $2^7 \times 3^4 \times 5^3 \times 7$ are even?

Ans
✘ 1. 40

✘ 2. 84

✘ 3. 320

✔ 4. 280

Question ID : **9489119852**
Option 1 ID : **94891139407**
Option 2 ID : **94891139405**
Option 3 ID : **94891139408**
Option 4 ID : **94891139406**
Status : **Answered**
Chosen Option : **4**

Q.52 What is the standard noise level proposed by the Central Board for Pollution Control for residential areas during the night?

Ans
✗ 1. 25db
✗ 2. 35db
✔ 3. 45db
✗ 4. 65db

Question ID : **9489119234**
Option 1 ID : **94891136936**
Option 2 ID : **94891136935**
Option 3 ID : **94891136933**
Option 4 ID : **94891136934**
Status : **Answered**
Chosen Option : **3**

Q.53 In a class, the ratio of girls and boys is $13:12$. Find the percentage of the girls in the class.

Ans
✗ 1. 25%
✔ 2. 52%
✗ 3. 13%
✗ 4. 48%

Question ID : **9489119854**
Option 1 ID : **94891139415**
Option 2 ID : **94891139414**
Option 3 ID : **94891139416**
Option 4 ID : **94891139413**
Status : **Answered**
Chosen Option : **2**

Q.54 Which of the following British policies triggered people to assemble at Jallianwala Bagh, Amritsar?

Ans
✗ 1. The Pitts India Act
✗ 2. Simon Commission
✔ 3. Rowlatt Act
✗ 4. Government of India Act

Question ID : **9489119220**
Option 1 ID : **94891136877**
Option 2 ID : **94891136879**
Option 3 ID : **94891136878**
Option 4 ID : **94891136880**
Status : **Answered**
Chosen Option : **3**

Q.55 Where is the office of the Governor of the Reserve Bank of India?

Ans
- ✗ 1. Delhi
- ✔ 2. Mumbai
- ✗ 3. Kolkata
- ✗ 4. Noida

Question ID : **9489119240**
Option 1 ID : **94891136957**
Option 2 ID : **94891136958**
Option 3 ID : **94891136959**
Option 4 ID : **94891136960**
Status : **Answered**
Chosen Option : **2**

Q.56 Saltoro Kangri Peak are located on which of the following borders?

Ans
- ✗ 1. Indo-Nepal border
- ✗ 2. Indo-Tibetan border
- ✔ 3. Indo-Pak border
- ✗ 4. Indo-China border

Question ID : **9489119224**
Option 1 ID : **94891136895**
Option 2 ID : **94891136896**
Option 3 ID : **94891136893**
Option 4 ID : **94891136894**
Status : **Answered**
Chosen Option : **2**

Q.57 The value of $\dfrac{1-x^4}{1+x} \div \dfrac{1+x^2}{x} \times \dfrac{1}{x(x-1)}$ is:

(if x is not equal to 0, −1, 1)

Ans
- ✗ 1. 2
- ✗ 2. 0
- ✗ 3. 1
- ✔ 4. −1

Question ID : **9489119865**
Option 1 ID : **94891139460**
Option 2 ID : **94891139459**
Option 3 ID : **94891139458**
Option 4 ID : **94891139457**
Status : **Answered**
Chosen Option : **4**

Q.58 What is the term that can replace the question mark (?)

7Y7, 14X9, 23W11, 34V13, 47U15, ? , 79S19

Ans ✔ 1. 62T17
✘ 2. 60T19
✘ 3. 64Q17
✘ 4. 64R15

Question ID : **9489119388**
Option 1 ID : **94891137550**
Option 2 ID : **94891137549**
Option 3 ID : **94891137552**
Option 4 ID : **94891137551**
Status : **Answered**
Chosen Option : **1**

Q.59 Generally in which month does the United Nations call its full General Assembly every year?

Ans ✘ 1. June
✘ 2. January
✔ 3. September
✘ 4. March

Question ID : **9489119233**
Option 1 ID : **94891136931**
Option 2 ID : **94891136929**
Option 3 ID : **94891136932**
Option 4 ID : **94891136930**
Status : **Not Answered**
Chosen Option : **--**

Q.60 In which year did India join the Shanghai Cooperation Organisation?

Ans ✘ 1. 2001
✘ 2. 2005
✘ 3. 2019
✔ 4. 2017

Question ID : **9489119235**
Option 1 ID : **94891136937**
Option 2 ID : **94891136939**
Option 3 ID : **94891136940**
Option 4 ID : **94891136938**
Status : **Not Answered**
Chosen Option : **--**

Q.61 Which of the following river flows through the Dadra and Nagar Haveli?

Ans
  ✗ 1. Godavari
  ✔ 2. Dawan
  ✗ 3. Tapti
  ✗ 4. Mithi

Question ID : **9489119242**
Option 1 ID : **94891136968**
Option 2 ID : **94891136966**
Option 3 ID : **94891136965**
Option 4 ID : **94891136967**
Status : **Not Answered**
Chosen Option : **--**

Q.62 If $x - y = 1$, then the value of $x^3 - y^3 - 3xy$ will be:

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

Question ID : **9489119864**
Option 1 ID : **94891139453**
Option 2 ID : **94891139456**
Option 3 ID : **94891139454**
Option 4 ID : **94891139455**
Status : **Answered**
Chosen Option : **3**

Q.63 What is the ratio of nitrogen and hydrogen in ammonia on the basis of mass?

Ans
  ✗ 1. $14 : 8$
  ✔ 2. $14 : 3$
  ✗ 3. $1 : 8$
  ✗ 4. $3 : 14$

Question ID : **9489119215**
Option 1 ID : **94891136860**
Option 2 ID : **94891136859**
Option 3 ID : **94891136857**
Option 4 ID : **94891136858**
Status : **Answered**
Chosen Option : **2**

Q.64 If the annual rate of simple interest increases from 8% to $12\frac{1}{2}$%, a person's yearly income from interest increases by
₹369 then what is the principal amount of his investment?

Ans   ✗ 1. ₹8,100

       ✗ 2. ₹8,500

       ✗ 3. ₹8,150

       ✓ 4. ₹8,200

Question ID : **9489119857**
Option 1 ID : **94891139425**
Option 2 ID : **94891139428**
Option 3 ID : **94891139427**
Option 4 ID : **94891139426**
Status : **Answered**
Chosen Option : **4**

**Q.65** What was the base of first generation computer systems?

Ans   ✗ 1. Transistor based

       ✓ 2. Vacuum tube based

       ✗ 3. Integrated Circuit based

       ✗ 4. VLSI microprocessor based

Question ID : **9489119237**
Option 1 ID : **94891136945**
Option 2 ID : **94891136948**
Option 3 ID : **94891136946**
Option 4 ID : **94891136947**
Status : **Answered**
Chosen Option : **2**

Q.66 Find the number of straight lines required to make the given figure.
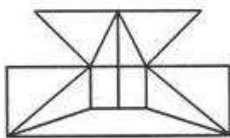
Ans   ✗ 1. 18

       ✗ 2. 15

       ✓ 3. 17

       ✗ 4. 16

Question ID : **9489119398**
Option 1 ID : **94891137592**
Option 2 ID : **94891137589**
Option 3 ID : **94891137591**
Option 4 ID : **94891137590**
Status : **Answered**
Chosen Option : **3**

Q.67 How many children have been awarded the Pradhan Mantri Rashtriya Bal Pursakar 2021?

Ans
✔ 1. 32
✘ 2. 36
✘ 3. 34
✘ 4. 30

Question ID : **9489119206**
Option 1 ID : **94891136822**
Option 2 ID : **94891136824**
Option 3 ID : **94891136823**
Option 4 ID : **94891136821**
Status : **Answered**
Chosen Option : **4**

Q.68 As per the census of 2011 which of the following is the highest populated state in India?

Ans
✔ 1. Uttar Pradesh
✘ 2. Bihar
✘ 3. Rajasthan
✘ 4. Madhya Pradesh

Question ID : **9489119222**
Option 1 ID : **94891136886**
Option 2 ID : **94891136885**
Option 3 ID : **94891136887**
Option 4 ID : **94891136888**
Status : **Answered**
Chosen Option : **1**

Q.69 Which of the following is NOT found in human blood?

Ans
✘ 1. Lymphocyte
✔ 2. Chondrocyte
✘ 3. Monocyte
✘ 4. Leucocyte

Question ID : **9489119216**
Option 1 ID : **94891136862**
Option 2 ID : **94891136863**
Option 3 ID : **94891136864**
Option 4 ID : **94891136861**
Status : **Answered**
Chosen Option : **2**

Q.70 If the cost price of 19 books is equal to the selling price of 25 books, the percentage loss is:

Ans ✗ 1. 27%

✗ 2. 22%

✔ 3. 24%

✗ 4. 25%

Question ID : **9489119855**
Option 1 ID : **94891139420**
Option 2 ID : **94891139417**
Option 3 ID : **94891139418**
Option 4 ID : **94891139419**
Status : **Answered**
Chosen Option : **3**

Q.71 Which of the following states has the highest road density?

Ans ✔ 1. Kerala

✗ 2. Uttar Pradesh

✗ 3. Karnataka

✗ 4. Madhya Pradesh

Question ID : **9489119241**
Option 1 ID : **94891136964**
Option 2 ID : **94891136962**
Option 3 ID : **94891136961**
Option 4 ID : **94891136963**
Status : **Not Answered**
Chosen Option : **--**

Q.72 On which date is International Yoga day celebrated?

Ans ✗ 1. 1st May

✗ 2. 5th June

✔ 3. 21st June

✗ 4. 21st May

Question ID : **9489119208**
Option 1 ID : **94891136831**
Option 2 ID : **94891136830**
Option 3 ID : **94891136829**
Option 4 ID : **94891136832**
Status : **Answered**
Chosen Option : **3**

Q.73 Select the number that can replace the question mark (?) in the following series.

1, 3, 6, 11, 18, 29, 42, ?

Ans
- ✗ 1. 57
- ✗ 2. 63
- ✔ 3. 59
- ✗ 4. 55

Question ID : **9489119387**
Option 1 ID : **94891137546**
Option 2 ID : **94891137545**
Option 3 ID : **94891137547**
Option 4 ID : **94891137548**
Status : **Answered**
Chosen Option : **3**

Q.74 Which institute is known as the mother of institutions involved in research on nuclear and accelerator technology?

Ans
- ✗ 1. Indira Gandhi Centre for Atomic Research
- ✔ 2. Bhabha Atomic Research Centre
- ✗ 3. Variable Energy Cyclotron Centre
- ✗ 4. Raja Ramanna Centre for Advanced Technology

Question ID : **9489119231**
Option 1 ID : **94891136922**
Option 2 ID : **94891136921**
Option 3 ID : **94891136924**
Option 4 ID : **94891136923**
Status : **Answered**
Chosen Option : **2**

Q.75 If $2.5x = 0.05y$, then $\dfrac{y - x}{y + x} = ?$

Ans
- ✗ 1. $\dfrac{19}{51}$
- ✗ 2. $\dfrac{49}{50}$
- ✗ 3. $\dfrac{19}{50}$
- ✔ 4. $\dfrac{49}{51}$

Question ID : **9489119847**
Option 1 ID : **94891139387**
Option 2 ID : **94891139386**
Option 3 ID : **94891139388**
Option 4 ID : **94891139385**
Status : **Answered**
Chosen Option : **4**

Q.76 Select the number from among the options given that is related to the fifth number in the same way as the second and fourth numbers are related to the first and third numbers respectively.

15 : 90 :: 203 : 1015 :: 16 : x

Ans
✗ 1. 120
✗ 2. 96
✗ 3. 128
✔ 4. 112

Question ID : **9489119374**
Option 1 ID : **94891137496**
Option 2 ID : **94891137494**
Option 3 ID : **94891137493**
Option 4 ID : **94891137495**
Status : **Answered**
Chosen Option : **4**

Q.77 What do we call the process of contraction of the cell away from the cell wall due to water loss?

Ans
✔ 1. Plasmolysis
✗ 2. DE plasmolysis
✗ 3. Cytolysis
✗ 4. Photosynthesis

Question ID : **9489119213**
Option 1 ID : **94891136849**
Option 2 ID : **94891136851**
Option 3 ID : **94891136852**
Option 4 ID : **94891136850**
Status : **Not Answered**
Chosen Option : **--**

Q.78 You are given two statements:

(1) Some notebooks are laptops.

(2) All laptops are wallets.

Which of the following conclusions is/are true?

A. Some wallets are notebooks.

B. Some laptops are wallets.

Ans ✗ 1. Either A or B

✗ 2. Neither A nor B

✗ 3. A alone

✔ 4. Both A and B

Question ID : **9489119375**
Option 1 ID : **94891137499**
Option 2 ID : **94891137497**
Option 3 ID : **94891137500**
Option 4 ID : **94891137498**
Status : **Answered**
Chosen Option : **4**

Q.79 Where is Raja Ramanna Centre for Advanced Technology, a unit of the Department of Atomic Energy situated?

Ans ✗ 1. Patna

✗ 2. Jammu

✗ 3. Mumbai

✔ 4. Indore

Question ID : **9489119230**
Option 1 ID : **94891136918**
Option 2 ID : **94891136919**
Option 3 ID : **94891136917**
Option 4 ID : **94891136920**
Status : **Not Answered**
Chosen Option : **--**

Q.80 Which movement is called India's first Civil Disobedience Movement?

Ans ✗ 1. Non-Cooperation Movement

✗ 2. Khilafat Movement

✓ 3. Champaran Movement

✗ 4. Kheda Movement

Question ID : **9489119219**
Option 1 ID : **94891136875**
Option 2 ID : **94891136874**
Option 3 ID : **94891136876**
Option 4 ID : **94891136873**
Status : **Answered**
Chosen Option : **1**

Q.81 When was the first population census conducted in India?

Ans ✗ 1. 1911

✗ 2. 1951

✓ 3. 1872

✗ 4. 1882

Question ID : **9489119223**
Option 1 ID : **94891136891**
Option 2 ID : **94891136889**
Option 3 ID : **94891136892**
Option 4 ID : **94891136890**
Status : **Answered**
Chosen Option : **3**

Q.82 Select the letter-cluster that can replace the question mark (?) in the following analogy.

YLP : KOB :: BUS : HFY :: RAN : ?

Ans ✗ 1. NSX

✗ 2. LGR

✓ 3. MZI

✗ 4. PYD

Question ID : **9489119378**
Option 1 ID : **94891137512**
Option 2 ID : **94891137510**
Option 3 ID : **94891137509**
Option 4 ID : **94891137511**
Status : **Answered**
Chosen Option : **3**

Q.83 How was the cell discovered by Robert Hook?

Ans ✔ 1. By observing cork

✘ 2. By observing blood

✘ 3. By observing tree leaves

✘ 4. By observing an onion peel

Question ID : **9489119212**
Option 1 ID : **94891136848**
Option 2 ID : **94891136846**
Option 3 ID : **94891136847**
Option 4 ID : **94891136845**
Status : **Answered**
Chosen Option : **1**

Q.84 The LCM of two prime numbers x and y (x > y) is 119. The value of 3y – x is:

Ans ✘ 1. 8

✘ 2. 2

✔ 3. 4

✘ 4. 6

Question ID : **9489119849**
Option 1 ID : **94891139396**
Option 2 ID : **94891139393**
Option 3 ID : **94891139394**
Option 4 ID : **94891139395**
Status : **Answered**
Chosen Option : **3**

Q.85 As per the census of 2011 what is the population density in India?

Ans ✘ 1. 829 persons per sq km

✘ 2. 11,320 persons per sq km

✔ 3. 382 persons per sq km

✘ 4. 400 persons per sq km

Question ID : **9489119225**
Option 1 ID : **94891136899**
Option 2 ID : **94891136898**
Option 3 ID : **94891136900**
Option 4 ID : **94891136897**
Status : **Not Answered**
Chosen Option : **--**

Q.86 Study the pie chart and answer the question that follows.

The pie chart shows the numbers of hours used for different activities of the day. Total hours in a day are 24.
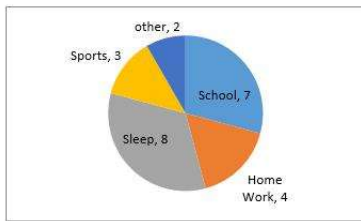
What part of the day is spent in school and other activities?

Ans

✗ 1. $\dfrac{5}{8}$

✗ 2. $\dfrac{7}{24}$

✔ 3. $\dfrac{3}{8}$

✗ 4. $\dfrac{2}{9}$

Question ID : **9489119389**
Option 1 ID : **94891137553**
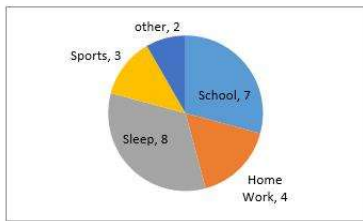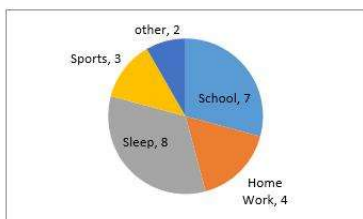Option 2 ID : **94891137556**
Option 3 ID : **94891137554**
Option 4 ID : **94891137555**
Status : **Answered**
Chosen Option : **3**

Q.87 Study the pie chart and answer the question that follows.

The pie chart shows the numbers of hours used for different activities of the day. Total hours in a day are 24.

other, 2
Sports, 3
School, 7
Sleep, 8
Home Work, 4

What is the measure of the central angle with respect to sleep?

Ans
✗ 1. $160°$
✗ 2. $135°$
✓ 3. $120°$
✗ 4. $145°$

Question ID : **9489119390**
Option 1 ID : **94891137560**
Option 2 ID : **94891137557**
Option 3 ID : **94891137558**
Option 4 ID : **94891137559**
Status : **Answered**
Chosen Option : **3**

Q.88 Study the pie chart and answer the question that follows.

The pie chart shows the numbers of hours used for different activities of the day. Total hours in a day are 24.

other, 2
Sports, 3
School, 7
Sleep, 8
Home Work, 4

What is the percentage of hours spent on sports in a day?

Ans
✗ 1. 15%
✗ 2. 13.5%
✓ 3. 12.5%
✗ 4. 12%

Question ID : **9489119391**
Option 1 ID : **94891137561**
Option 2 ID : **94891137564**
Option 3 ID : **94891137563**
Option 4 ID : **94891137562**
Status : **Answered**
Chosen Option : **3**

Q.89 Study the pie chart and answer the question that follows.

The pie chart shows the numbers of hours used for different activities of the day. Total hours in a day are 24.
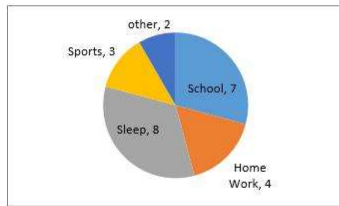
If a student devotes 4 h to other activities instead of 2 h and reduces 1 h each from school and sports activities, then what will be the approximate percentage decrease in school hours?

Ans ✔ 1. 14%

✘ 2. 15%

✘ 3. 13%

✘ 4. 18%

Question ID : **9489119392**
Option 1 ID : **94891137566**
Option 2 ID : **94891137565**
Option 3 ID : **94891137568**
Option 4 ID : **94891137567**
Status : **Answered**
Chosen Option : **1**

Q.90 Select the number that can replace the question mark (?) in the following series.

5, 7, 10, 15, 23, 35, 52, ?

Ans ✘ 1. 98

✘ 2. 80

✘ 3. 78

✔ 4. 75

Question ID : **9489119384**
Option 1 ID : **94891137534**
Option 2 ID : **94891137533**
Option 3 ID : **94891137536**
Option 4 ID : **94891137535**
Status : **Answered**
Chosen Option : **4**

Q.91 Six persons A, B, C, K, L and M are sitting on a table facing each other. Three of them are facing the north and the rest are facing the south. A is not opposite to L who is at any of the extreme end positions. K is at one of the middle positions and at immediate right to M. C is at one of the extreme end positions. A is not opposite to K. C and L are on the same side. Who is adjacent to B on the right side?

Ans
  ✖ 1. K
  ✔ 2. L
  ✖ 3. M
  ✖ 4. A

Q.92 Select the option that can replace the question mark (?) in the following series.

CXM9, EVO7, GTQ5, IRS3, ?

Ans
  ✖ 1. KPU7
  ✖ 2. XPU1
  ✖ 3. JPM9
  ✔ 4. KPU1

Q.93 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:

No mirror is sunglasses. All mirrors are lenses.

Conclusions:

1. All sunglasses are lenses.

2. Some sunglasses are lenses.

Ans ✔ 1. Neither conclusion 1 nor 2 follows.

✘ 2. Only conclusion 2 follows.

✘ 3. Only conclusion 1 follows.

✘ 4. Both conclusions 1 and 2 follow.

Question ID : **9489119380**
Option 1 ID : **94891137520**
Option 2 ID : **94891137518**
Option 3 ID : **94891137517**
Option 4 ID : **94891137519**
Status : **Answered**
Chosen Option : **1**

Q.94 In three of the four letter pairs given below, the first letter is related to the second letter in a similar manner. Identify the odd letter-pair.

Ans ✘ 1. V : D

✘ 2. L : B

✔ 3. N : E

✘ 4. X : H

Question ID : **9489119395**
Option 1 ID : **94891137580**
Option 2 ID : **94891137579**
Option 3 ID : **94891137578**
Option 4 ID : **94891137577**
Status : **Answered**
Chosen Option : **3**

Q.95 Select the option that is different from the rest.

Ans
❌ 1. Chisel - Carpentry
✔️ 2. Missile - Trajectory
❌ 3. Scalpel - Surgery
❌ 4. Needle - Embroidery

Question ID : **9489119397**
Option 1 ID : **94891137585**
Option 2 ID : **94891137587**
Option 3 ID : **94891137586**
Option 4 ID : **94891137588**
Status : **Answered**
Chosen Option : **2**

Q.96 Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

Strict government policy must be implemented to tackle tax evasion.

Assumptions:

I: Many people deposit their taxes on time.

II- Those who have very high income do not deposit tax on time.

Ans
❌ 1. Only assumption I is implicit.
✔️ 2. Neither I nor II is implicit.
❌ 3. Only assumption II is implicit.
❌ 4. Both I and II are implicit.

Question ID : **9489119381**
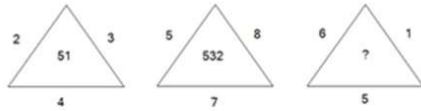Option 1 ID : **94891137521**
Option 2 ID : **94891137524**
Option 3 ID : **94891137522**
Option 4 ID : **94891137523**
Status : **Answered**
Chosen Option : **2**

Q.97 Study the given pattern carefully and select the number from the given options that can replace the question mark (?).

Ans

✗ 1. 241

✔ 2. 162

✗ 3. 543

✗ 4. 342

Q.98 How will you write 7.17 hours in hours, minutes and seconds?

Ans

✗ 1. 7 hours, 17 minutes

✗ 2. 7 hours, 7 minutes, 10 seconds

✗ 3. 7 hours, 17 seconds

✔ 4. 7 hours, 10 minutes, 12 seconds

Q.99 A, B, C, D, E and F are sitting at a round table facing the center such that C is not the immediate neighbour of A. B is to the immediate right of C. If E and F exchange their positions, E will be the second to the left of A. D is the immediate neighbour of F. If D and E exchange their positions, who will be the second to the left of B?

Ans

✔ 1. D

✗ 2. E

✗ 3. F

✗ 4. A

Q.100 Pick the odd one out.

225, 441, 1225, 961, 343

Ans ✗ 1. 225

✗ 2. 1225

✔ 3. 343

✗ 4. 961

Question ID : **9489119394**
Option 1 ID : **94891137576**
Option 2 ID : **94891137575**
Option 3 ID : **94891137574**
Option 4 ID : **94891137573**
Status : **Answered**
Chosen Option : **3**