रेल भर्ती बोर्ड / **RAILWAY RECRUITMENT BOARDS**

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

Participant ID	
Participant Name	www.exammix.com
Test Center Name	
Test Date	22/02/2021
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 Which of the following is the smallest fraction?

$$\frac{7}{6}, \frac{7}{9}, \frac{4}{5}, \frac{5}{7}$$

Ans ✔ 1. $\frac{5}{7}$

✘ 2. $\frac{7}{9}$

✘ 3. $\frac{4}{5}$

✘ 4. $\frac{7}{6}$

Question ID : **9489116551**
Option 1 ID : **94891126204**
Option 2 ID : **94891126202**
Option 3 ID : **94891126203**
Option 4 ID : **94891126201**
Status : **Answered**
Chosen Option : **1**

Q.2 Which of the following is NOT an allotrope of Carbon?

Ans
   ✗ 1. Diamond

   ✗ 2. Fullerenes

   ✗ 3. Graphite

   ✔ 4. Carbon dioxide

Question ID : **9489116914**
Option 1 ID : **94891127653**
Option 2 ID : **94891127656**
Option 3 ID : **94891127655**
Option 4 ID : **94891127654**
Status : **Answered**
Chosen Option : **4**

Q.3 India's first struggle for independence started on 10th May 1857 at:

Ans
   ✗ 1. Allahabad

   ✗ 2. Bareilly

   ✗ 3. Lucknow

   ✔ 4. Meerut

Question ID : **9489116917**
Option 1 ID : **94891127665**
Option 2 ID : **94891127666**
Option 3 ID : **94891127667**
Option 4 ID : **94891127668**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Who among the following has the power to grant pardons under Article 161 of the Constitution of India?

Ans
   ✗ 1. Chief Justice of India

   ✔ 2. Governor

   ✗ 3. President

   ✗ 4. Prime Minister

Question ID : **9489116928**
Option 1 ID : **94891127712**
Option 2 ID : **94891127710**
Option 3 ID : **94891127709**
Option 4 ID : **94891127711**
Status : **Answered**
Chosen Option : **2**

Q.5 Who among the following won the 'Player of the Match' award at the final of the ICC Cricket World Cup 2019?

Ans
✗ 1. James Neesham

✗ 2. Mitchell Starc

✓ 3. Ben Stokes

✗ 4. Eoin Morgan

Question ID : **9489116904**
Option 1 ID : **94891127616**
Option 2 ID : **94891127615**
Option 3 ID : **94891127613**
Option 4 ID : **94891127614**
Status : **Answered**
Chosen Option : **3**

Q.6 Find the value of x if $\dfrac{52}{x} = \sqrt{\dfrac{169}{289}}$

Ans
✗ 1. 62

✗ 2. 58

✗ 3. 52

✓ 4. 68

Question ID : **9489116552**
Option 1 ID : **94891126207**
Option 2 ID : **94891126206**
Option 3 ID : **94891126205**
Option 4 ID : **94891126208**
Status : **Answered**
Chosen Option : **4**

Q.7 Bleaching powder is NOT used for:

Ans
✗ 1. disinfecting water

✓ 2. preparing bread

✗ 3. oxidising chemicals

✗ 4. bleaching cotton

Question ID : **9489116913**
Option 1 ID : **94891127651**
Option 2 ID : **94891127652**
Option 3 ID : **94891127650**
Option 4 ID : **94891127649**
Status : **Not Answered**
Chosen Option : **--**

Q.8 The 'Bretton Woods Twins' refers to the two multilateral organisations created at the Bretton Woods Conference in 1944. They are _____ and _____.

Ans
- ✗ 1. UN, World Bank
- ✗ 2. IMF, UN
- ✗ 3. IMF, WTO
- ✓ 4. IMF, World Bank

Question ID : **9489116935**
Option 1 ID : **94891127740**
Option 2 ID : **94891127739**
Option 3 ID : **94891127737**
Option 4 ID : **94891127738**
Status : **Answered**
Chosen Option : **4**

Q.9 Pointing towards a teacher sitting in the teacher's room, Paulo said to his friend, "She is the sister of the father of the sister of my brother. How is that teacher related to Paulo?

Ans
- ✗ 1. Sister
- ✓ 2. Paternal aunt
- ✗ 3. Maternal aunt
- ✗ 4. Grandmother

Question ID : **9489117180**
Option 1 ID : **94891128719**
Option 2 ID : **94891128717**
Option 3 ID : **94891128718**
Option 4 ID : **94891128720**
Status : **Answered**
Chosen Option : **2**

Q.10 Since July 2016, World Trade Organisation (WTO) has _____ members.

Ans
- ✓ 1. 164
- ✗ 2. 163
- ✗ 3. 162
- ✗ 4. 161

Question ID : **9489116934**
Option 1 ID : **94891127736**
Option 2 ID : **94891127735**
Option 3 ID : **94891127734**
Option 4 ID : **94891127733**
Status : **Not Answered**
Chosen Option : **--**

Q.11 The Great Victoria Desert is located in:

Ans ✗ 1. South Africa

✗ 2. The United States

✔ 3. Australia

✗ 4. The United Kingdom

Question ID : **9489116922**
Option 1 ID : **94891127687**
Option 2 ID : **94891127685**
Option 3 ID : **94891127688**
Option 4 ID : **94891127686**
Status : **Answered**
Chosen Option : **3**

Q.12 Four words have been given out of which three are alike in some manner, while the fourth one is different. Select the odd one.

Ans ✗ 1. Year

✗ 2. Century

✔ 3. Time

✗ 4. Decade

Question ID : **9489117194**
Option 1 ID : **94891128775**
Option 2 ID : **94891128774**
Option 3 ID : **94891128776**
Option 4 ID : **94891128773**
Status : **Answered**
Chosen Option : **3**

Q.13 For which of the following fields did Marie Curie win the Nobel Prize?

Ans ✗ 1. Chemistry and Biology

✗ 2. Physics and Meteorology

✔ 3. Physics and Chemistry

✗ 4. Physics and Astronomy

Question ID : **9489116931**
Option 1 ID : **94891127722**
Option 2 ID : **94891127724**
Option 3 ID : **94891127723**
Option 4 ID : **94891127721**
Status : **Answered**
Chosen Option : **3**

Q.14 What is the mean of the data 2, 5, 4, 1, 8?

Ans   ✗ 1. 20

     ✓ 2. 4

     ✗ 3. 3

     ✗ 4. 5

Question ID : **9489116568**
Option 1 ID : **94891126272**
Option 2 ID : **94891126270**
Option 3 ID : **94891126269**
Option 4 ID : **94891126271**
Status : **Answered**
Chosen Option : **2**

Q.15 There are 6 contestants in a beauty pageant. Model Q is taller than model A but shorter than model E. Model X is not as tall as model E but is taller than model I. Model F is taller than model I but shorter than model Q. Who among the following is the tallest?

Ans   ✗ 1. Model F

     ✗ 2. Model Q

     ✓ 3. Model E

     ✗ 4. Model A

Question ID : **9489117202**
Option 1 ID : **94891128806**
Option 2 ID : **94891128805**
Option 3 ID : **94891128808**
Option 4 ID : **94891128807**
Status : **Answered**
Chosen Option : **3**

Q.16 The present worth of ₹338 due in 2 years at 4% per annum compound interest is: _____

Ans   ✓ 1. ₹312.50

     ✗ 2. ₹294.00

     ✗ 3. ₹365.58

     ✗ 4. ₹350.50

Question ID : **9489116557**
Option 1 ID : **94891126227**
Option 2 ID : **94891126226**
Option 3 ID : **94891126228**
Option 4 ID : **94891126225**
Status : **Answered**
Chosen Option : **3**

Q.17 If $x = \frac{1}{\sqrt{2}+1}$, then what will be the value of $x + 1$?

Ans

✘ 1. $\sqrt{2} - 1$

✘ 2. 2

✔ 3. $\sqrt{2}$

✘ 4. $\sqrt{2} + 1$

Question ID : **9489116553**
Option 1 ID : **94891126210**
Option 2 ID : **94891126212**
Option 3 ID : **94891126211**
Option 4 ID : **94891126209**
Status : **Answered**
Chosen Option : **3**

Q.18 Which of the following is NOT a computer programming language?

Ans

✘ 1. Java

✘ 2. Swift

✘ 3. Python

✔ 4. C^{++++}

Question ID : **9489116937**
Option 1 ID : **94891127745**
Option 2 ID : **94891127746**
Option 3 ID : **94891127747**
Option 4 ID : **94891127748**
Status : **Answered**
Chosen Option : **2**

Q.19 There are six members in a family, named A, B, C, D, E and F. B is the wife of C. A is the son of E, E is the brother of C, D is the sister of A. B is the daughter-in-law of F. How is E related to D?

Ans

✔ 1. Father

✘ 2. Aunt

✘ 3. Sister

✘ 4. Daughter

Question ID : **9489117177**
Option 1 ID : **94891128706**
Option 2 ID : **94891128708**
Option 3 ID : **94891128707**
Option 4 ID : **94891128705**
Status : **Answered**
Chosen Option : **1**

Q.20 If 40% of a number is 800 then the number is:

Ans ✔ 1. 2000
✘ 2. 400
✘ 3. 800
✘ 4. 200

Question ID : **9489116555**
Option 1 ID : **94891126220**
Option 2 ID : **94891126218**
Option 3 ID : **94891126217**
Option 4 ID : **94891126219**
Status : **Answered**
Chosen Option : **1**

**Q.21** What is the HCF of n and n + 1 where n is a natural number?

Ans ✘ 1. 3
✘ 2. 2
✘ 3. 0
✔ 4. 1

Question ID : **9489116550**
Option 1 ID : **94891126198**
Option 2 ID : **94891126197**
Option 3 ID : **94891126200**
Option 4 ID : **94891126199**
Status : **Answered**
Chosen Option : **4**

Q.22 Who has taken over as the new CEO of the Railway Board on 1st Jan 2021?

Ans ✘ 1. Ashutosh Gangal
✘ 2. Piyush Goyal
✘ 3. V K Yadav
✔ 4. Suneet Sharma

Question ID : **9489116905**
Option 1 ID : **94891127620**
Option 2 ID : **94891127619**
Option 3 ID : **94891127617**
Option 4 ID : **94891127618**
Status : **Answered**
Chosen Option : **4**

Q.23 How many of squares are there in a given illustration?
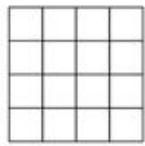
Ans ✔ 1. 30

✘ 2. 23

✘ 3. 17

✘ 4. 20

Question ID : **9489117199**
Option 1 ID : **94891128793**
Option 2 ID : **94891128796**
Option 3 ID : **94891128794**
Option 4 ID : **94891128795**
Status : **Answered**
Chosen Option : **1**

Q.24 In a class of 40 students the number of girls is three fifths of the number of boys. Then find the number of boys in the class.

Ans ✘ 1. 15

✘ 2. 18

✘ 3. 14

✔ 4. 25

Question ID : **9489116546**
Option 1 ID : **94891126182**
Option 2 ID : **94891126181**
Option 3 ID : **94891126183**
Option 4 ID : **94891126184**
Status : **Answered**
Chosen Option : **4**

Q.25 Express the decimal number $3.12\overline{7}$ in fraction form.

Ans

✗ 1. $\dfrac{180}{563}$

✓ 2. $\dfrac{563}{180}$

✗ 3. $\dfrac{281}{900}$

✗ 4. $\dfrac{365}{180}$

Question ID : **9489116549**
Option 1 ID : **94891126193**
Option 2 ID : **94891126195**
Option 3 ID : **94891126196**
Option 4 ID : **94891126194**
Status : **Answered**
Chosen Option : **2**

Q.26 Two numbers are in the ratio 9 : 5. If 9 is added to the greater number and 5 is subtracted from the smaller number, the greater number becomes thrice the smaller one. Find the numbers.

Ans

✓ 1. 36, 20

✗ 2. 72, 40

✗ 3. 18, 10

✗ 4. 36, 10

Question ID : **9489116560**
Option 1 ID : **94891126239**
Option 2 ID : **94891126237**
Option 3 ID : **94891126238**
Option 4 ID : **94891126240**
Status : **Answered**
Chosen Option : **1**

Q.27 _____ has three active forms: retinal, retinol and retinoic acid.

Ans

✗ 1. Vitamin C

✓ 2. Vitamin A

✗ 3. Vitamin B

✗ 4. Vitamin D

Question ID : **9489116911**
Option 1 ID : **94891127643**
Option 2 ID : **94891127641**
Option 3 ID : **94891127642**
Option 4 ID : **94891127644**
Status : **Answered**
Chosen Option : **2**

Q.28 Which of the following was Asia's first supercomputer?

Ans
1. CRAY-3
2. HITAC S-300
3. PARAM
4. EKA

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

Question ID : **9489116936**
Option 1 ID : **94891127743**
Option 2 ID : **94891127744**
Option 3 ID : **94891127741**
Option 4 ID : **94891127742**
Status : **Answered**
Chosen Option : **1**

Q.29 Three straight lines $x + y - 3 = 0$, $x + y + 2 = 0$ and $3x + 3y - 7 = 0$ are:

Ans
✔ 1. parallel
✘ 2. perpendicular
✘ 3. intersecting each other
✘ 4. concurrent

Question ID : **9489116570**
Option 1 ID : **94891126277**
Option 2 ID : **94891126280**
Option 3 ID : **94891126279**
Option 4 ID : **94891126278**
Status : **Answered**
Chosen Option : **1**

Q.30 The _____ sector is the largest sector of India, contributing to a Gross Value Added (GVA) of ₹92.26 lakh crore in 2018-19.

Ans
✘ 1. Construction
✘ 2. Agriculture
✘ 3. Manufacturing
✔ 4. Service

Question ID : **9489116942**
Option 1 ID : **94891127766**
Option 2 ID : **94891127765**
Option 3 ID : **94891127768**
Option 4 ID : **94891127767**
Status : **Answered**
Chosen Option : **4**

Q.31 The Satyagraha Sabha was founded in February 1919 by:

Ans ✔ 1. Mohandas Karamchand Gandhi

✗ 2. Abdul Ghaffar Khan

✗ 3. Motilal Nehru

✗ 4. Subhash Chandra Bose

Question ID : **9489116920**
Option 1 ID : **94891127679**
Option 2 ID : **94891127678**
Option 3 ID : **94891127680**
Option 4 ID : **94891127677**
Status : **Not Answered**
Chosen Option : **--**

Q.32 If the cost price of six items is equal to the selling price of seven items, then what will be the percentage profit or loss?

Ans ✔ 1. 14.28% loss

✗ 2. 9.09% loss

✗ 3. 7.14% loss

✗ 4. 14.28% profit

Question ID : **9489116559**
Option 1 ID : **94891126233**
Option 2 ID : **94891126234**
Option 3 ID : **94891126235**
Option 4 ID : **94891126236**
Status : **Answered**
Chosen Option : **1**

Q.33 Pipe 1 can empty a tank in 6 h while pipe 2 can do so in 18 h. If both are working together, in how much time will they empty the full tank?

Ans ✗ 1. 9 h

✔ 2. 4.5 h

✗ 3. 10 h

✗ 4. 5 h

Question ID : **9489116563**
Option 1 ID : **94891126251**
Option 2 ID : **94891126250**
Option 3 ID : **94891126252**
Option 4 ID : **94891126249**
Status : **Answered**
Chosen Option : **2**

Q.34 What is the full form of BARC?

Ans
- ✗ 1. Bhabha Atomic Rehabilitation Center
- ✔ 2. Bhabha Atomic Research Center
- ✗ 3. Bhabha Aromatic Research Center
- ✗ 4. Bhabha Aerospace Research Center

Question ID : **9489116930**
Option 1 ID : **94891127720**
Option 2 ID : **94891127717**
Option 3 ID : **94891127719**
Option 4 ID : **94891127718**
Status : **Answered**
Chosen Option : **2**

Q.35 What is the lubricating fluid found between the two bones at a movable joint called?

Ans
- ✔ 1. Synovial fluid
- ✗ 2. Interstitial fluid
- ✗ 3. Amniotic fluid
- ✗ 4. Cerebrospinal fluid

Question ID : **9489116916**
Option 1 ID : **94891127661**
Option 2 ID : **94891127663**
Option 3 ID : **94891127662**
Option 4 ID : **94891127664**
Status : **Answered**
Chosen Option : **4**

Q.36 SENSEX is an index of Bombay Stock Exchange's top _____ companies.

Ans
- ✔ 1. 30
- ✗ 2. 40
- ✗ 3. 100
- ✗ 4. 50

Question ID : **9489116943**
Option 1 ID : **94891127769**
Option 2 ID : **94891127770**
Option 3 ID : **94891127772**
Option 4 ID : **94891127771**
Status : **Not Answered**
Chosen Option : **--**

Q.37 Solve the following.

$$1 + \frac{1+\cos\theta}{\sin\theta} - \frac{\sin^2\theta}{1+\cos\theta} - \frac{\sin\theta}{1-\cos\theta} = ?$$

Ans ✔ 1. $\cos\theta$

✘ 2. $\sin\theta$

✘ 3. $-\cos\theta$

✘ 4. $-\sin\theta$

Question ID : **9489116572**
Option 1 ID : **94891126288**
Option 2 ID : **94891126286**
Option 3 ID : **94891126287**
Option 4 ID : **94891126285**
Status : **Answered**
Chosen Option : **1**

Q.38 If the first term of a geometric progression is 2 and the common ratio is 3, then what will be the fifth term of the geometric progression?

Ans ✔ 1. 162

✘ 2. 243

✘ 3. 81

✘ 4. 324

Question ID : **9489116566**
Option 1 ID : **94891126262**
Option 2 ID : **94891126263**
Option 3 ID : **94891126261**
Option 4 ID : **94891126264**
Status : **Answered**
Chosen Option : **1**

Q.39 According to 2011 Census, the urban-rural population ratio in India was about:

Ans ✔ 1. 31:69

✘ 2. 32:68

✘ 3. 28:72

✘ 4. 35:65

Question ID : **9489116941**
Option 1 ID : **94891127763**
Option 2 ID : **94891127762**
Option 3 ID : **94891127764**
Option 4 ID : **94891127761**
Status : **Answered**
Chosen Option : **1**

Q.40 Who wrote 'Ain-i-Akbari'? It is a 16th-century detailed document recording the administration of the Mughal Empire under Emperor Akbar.

Ans
✘ 1. Abdur Rahim

✘ 2. Mulla Shah

✔ 3. Abul Fazl

✘ 4. Haji Ibrahim

Question ID : **9489116919**
Option 1 ID : **94891127674**
Option 2 ID : **94891127675**
Option 3 ID : **94891127673**
Option 4 ID : **94891127676**
Status : **Answered**
Chosen Option : **3**

Q.41 The ☐ represents a set of calculations that are common across all the given equations. Identify the calculations involved and solve the third equation on the same basis:

25 ☐ 36 = 5 ; 6 ; 11
100 ☐ 64 = 10 ; 8 ; 18
36 ☐ 81 = ? ; ? ; ?

Ans
✘ 1. 10; 6; 4

✔ 2. 6; 9; 15

✘ 3. 9; 9; 117

✘ 4. 4; 11; 18

Question ID : **9489117187**
Option 1 ID : **94891128746**
Option 2 ID : **94891128745**
Option 3 ID : **94891128747**
Option 4 ID : **94891128748**
Status : **Answered**
Chosen Option : **2**

Q.42 If 24 men can complete a piece of work in 15 days working 8 h per day, then how many men will be required to complete the same work in 10 days working 6 h per day?

Ans
✘ 1. 32

✘ 2. 60

✘ 3. 30

✔ 4. 48

Question ID : **9489116561**
Option 1 ID : **94891126241**
Option 2 ID : **94891126242**
Option 3 ID : **94891126244**
Option 4 ID : **94891126243**
Status : **Answered**
Chosen Option : **4**

Q.43 Dandi March, the non-violent protest organised by Mahatma Gandhi against the British salt monopoly, culminated on:

Ans

✗ 1. 7th April 1930

✗ 2. 5th April 1930

✗ 3. 4th April 1930

✓ 4. 6th April 1930

Question ID : **9489116921**
Option 1 ID : **94891127684**
Option 2 ID : **94891127682**
Option 3 ID : **94891127681**
Option 4 ID : **94891127683**
Status : **Answered**
Chosen Option : **1**

Q.44 What will be the simple interest earned on an amount of ₹16,800 in 9 months at the rate of $6\frac{1}{4}\%$ per annum?

Ans

✓ 1. ₹787.50

✗ 2. ₹860

✗ 3. ₹158

✗ 4. ₹812.50

Question ID : **9489116556**
Option 1 ID : **94891126221**
Option 2 ID : **94891126223**
Option 3 ID : **94891126224**
Option 4 ID : **94891126222**
Status : **Answered**
Chosen Option : **1**

Q.45 As per the Constitution of India, every person who is arrested and detained in custody shall be produced before the nearest magistrate within a period of _____ hours of such arrest, excluding the time necessary for the journey from the place of arrest to the court of the magistrate.

Ans

✗ 1. 10

✗ 2. 12

✗ 3. 36

✓ 4. 24

Question ID : **9489116929**
Option 1 ID : **94891127714**
Option 2 ID : **94891127716**
Option 3 ID : **94891127713**
Option 4 ID : **94891127715**
Status : **Answered**
Chosen Option : **4**

Q.46 Find the value of $7500 + (1250 \div 50)$.

Ans
  ✗ 1. 175
  ✗ 2. 300
  ✓ 3. 7525
  ✗ 4. 6575

Question ID : **9489116548**
Option 1 ID : **94891126189**
Option 2 ID : **94891126190**
Option 3 ID : **94891126192**
Option 4 ID : **94891126191**
Status : **Answered**
Chosen Option : **3**

**Q.47** India's first national academy for music, dance and drama was:

Ans
  ✗ 1. The Academy for Arts and Dance
  ✓ 2. Sangeet Natak Akademi
  ✗ 3. Sangeet Kala Manch
  ✗ 4. Bharat Kala Kendra

Question ID : **9489116909**
Option 1 ID : **94891127634**
Option 2 ID : **94891127633**
Option 3 ID : **94891127635**
Option 4 ID : **94891127636**
Status : **Not Answered**
Chosen Option : **--**

Q.48 Which of the Venn diagrams shown below correctly represents the relationship:

Juice, Soft Drinks, Drinks

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.
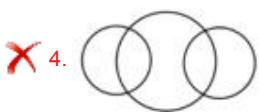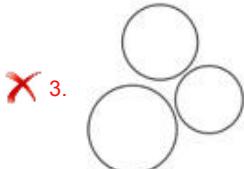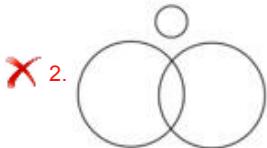
Question ID : **9489117196**
Option 1 ID : **94891128784**
Option 2 ID : **94891128783**
Option 3 ID : **94891128782**
Option 4 ID : **94891128781**
Status : **Answered**
Chosen Option : **1**

Q.49 Which of the following statements is correct?

Ans ✔ 1.
The Council of Ministers of a State is collectively responsible to the Legislative Assembly of the State.

✘ 2.
The Council of Ministers of a State is collectively responsible to the Council of States.

✘ 3.
The Council of Ministers of a State is collectively responsible to the Vice-President.

✘ 4.
The Council of Ministers of a State is collectively responsible to the Legislative Council of the State.

Question ID : **9489116927**
Option 1 ID : **94891127706**
Option 2 ID : **94891127707**
Option 3 ID : **94891127708**
Option 4 ID : **94891127705**
Status : **Answered**
Chosen Option : **1**

Q.50 With which of the following instruments is Hariprasad Chaurasia associated?

Ans
- ✗ 1. Drum
- ✗ 2. Tabla
- ✗ 3. Violin
- ✔ 4. Flute

Question ID : **9489116908**
Option 1 ID : **94891127630**
Option 2 ID : **94891127632**
Option 3 ID : **94891127629**
Option 4 ID : **94891127631**
Status : **Answered**
Chosen Option : **4**

Q.51 Three of the following figures are alike in a certain way and one is different. Which one is different?

Ans
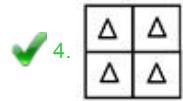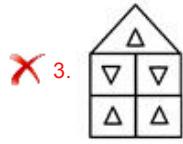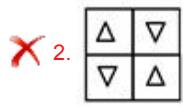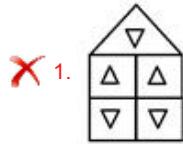
Question ID : **9489117193**
Option 1 ID : **94891128769**
Option 2 ID : **94891128770**
Option 3 ID : **94891128771**
Option 4 ID : **94891128772**
Status : **Answered**
Chosen Option : **4**

Q.52 Power Alcohol is a mixture of _____ and ethyl alcohol.

Ans ✗ 1. diesel

✗ 2. mustard

✗ 3. kerosene

✓ 4. petrol

Question ID : **9489116915**
Option 1 ID : **94891127659**
Option 2 ID : **94891127660**
Option 3 ID : **94891127658**
Option 4 ID : **94891127657**
Status : **Answered**
Chosen Option : **1**

Q.53 The position of the point (1, 2) with respect to the circle

$$x^2 + y^2 - 3x - 4y + 1 = 0 :$$

Ans ✗ 1. lies on the circle

✗ 2. lies outside the circle

✓ 3. lies inside the circle

✗ 4. cannot be decided

Question ID : **9489116571**
Option 1 ID : **94891126282**
Option 2 ID : **94891126283**
Option 3 ID : **94891126281**
Option 4 ID : **94891126284**
Status : **Answered**
Chosen Option : **3**

Q.54 Find the least number, which is exactly divisible by 12, 15, and 18.

Ans ✗ 1. 120

✗ 2. 240

✓ 3. 180

✗ 4. 160

Question ID : **9489116545**
Option 1 ID : **94891126178**
Option 2 ID : **94891126177**
Option 3 ID : **94891126179**
Option 4 ID : **94891126180**
Status : **Answered**
Chosen Option : **3**

Q.55 Rahul has a deadline for a project in just two days and he has not yet started working on his project.

Based on the following courses of action, select the correct one.

Courses of action:

(i) He must immediately read a book on time management to avoid such problems in the future.

(ii) He must manage his time efficiently and start his project without delay.

(iii) He must plan a layout of his project first and then start following that layout.

Ans
✗ 1. Only (i) and (ii) are correct

✔ 2. Only (ii) and (iii) are correct

✗ 3. Only (i) is correct

✗ 4. Only (ii) is correct

Question ID : **9489117182**
Option 1 ID : **94891128728**
Option 2 ID : **94891128727**
Option 3 ID : **94891128725**
Option 4 ID : **94891128726**
Status : **Answered**
Chosen Option : **4**

Q.56
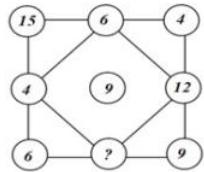
Select the number from among the given options that can replace the question mark (?) in the above figure.

Ans
✗ 1. 33

✔ 2. 10

✗ 3. 15

✗ 4. 20

Question ID : **9489117201**
Option 1 ID : **94891128801**
Option 2 ID : **94891128803**
Option 3 ID : **94891128804**
Option 4 ID : **94891128802**
Status : **Answered**
Chosen Option : **2**

Q.57 What is the full form of AIDS?

Ans
- ✓ 1. Acquired Immune Deficiency Syndrome
- ✗ 2. Acute Immune Deficiency Syndrome
- ✗ 3. Acute Immune Deficit Syndrome
- ✗ 4. Acquired Immune Deficit Syndrome

Question ID : **9489116912**
Option 1 ID : **94891127645**
Option 2 ID : **94891127647**
Option 3 ID : **94891127648**
Option 4 ID : **94891127646**
Status : **Answered**
Chosen Option : **2**

Q.58 Girish Karnad who passed away in 2019, was awarded the 'Padma Shri' in the year _____.

Ans
- ✗ 1. 2014
- ✓ 2. 1974
- ✗ 3. 1994
- ✗ 4. 1984

Question ID : **9489116906**
Option 1 ID : **94891127624**
Option 2 ID : **94891127621**
Option 3 ID : **94891127623**
Option 4 ID : **94891127622**
Status : **Answered**
Chosen Option : **1**

Q.59 United Nations was established in:

Ans
- ✗ 1. 1946
- ✗ 2. 1944
- ✗ 3. 1947
- ✓ 4. 1945

Question ID : **9489116933**
Option 1 ID : **94891127731**
Option 2 ID : **94891127729**
Option 3 ID : **94891127732**
Option 4 ID : **94891127730**
Status : **Answered**
Chosen Option : **1**

Q.60 If $y = 5$, then what will be the value of $10y\sqrt{y^3 - y^2}$?

Ans
✓ 1. 500
✗ 2. $50\sqrt{2}$
✗ 3. 100
✗ 4. $200\sqrt{5}$

Question ID : **9489116547**
Option 1 ID : **94891126188**
Option 2 ID : **94891126185**
Option 3 ID : **94891126186**
Option 4 ID : **94891126187**
Status : **Answered**
Chosen Option : **1**

Q.61 A dealer marks his goods 10% above the cost price and allows 10% discount. What is his percentage gain or loss?

Ans
✗ 1. 1% gain
✗ 2. 10% gain
✓ 3. 1% loss
✗ 4. 10% loss

Question ID : **9489116558**
Option 1 ID : **94891126230**
Option 2 ID : **94891126229**
Option 3 ID : **94891126231**
Option 4 ID : **94891126232**
Status : **Answered**
Chosen Option : **1**

Q.62 Who among the following is known as the 'father of Indian Supercomputers'?

Ans
✗ 1. RA Mashelkar
✗ 2. Nandan Nilkeni
✗ 3. Jayant Narlikar
✓ 4. Vijay Bhatkar

Question ID : **9489116938**
Option 1 ID : **94891127749**
Option 2 ID : **94891127751**
Option 3 ID : **94891127750**
Option 4 ID : **94891127752**
Status : **Answered**
Chosen Option : **4**

Q.63 In 2005, ASHA was instituted by the Government of India's Ministry of Health and Family Welfare as a part of the National Rural Health Mission. What is the full form of 'ASHA'?

Ans
- ✗ 1. Active School Health Activist
- ✔ 2. Accredited Social Health Activist
- ✗ 3. Active Social Health Activist
- ✗ 4. Accredited School Health Activist

Question ID : **9489116940**
Option 1 ID : **94891127758**
Option 2 ID : **94891127759**
Option 3 ID : **94891127757**
Option 4 ID : **94891127760**
Status : **Answered**
Chosen Option : **2**

Q.64 In December 2008, the Government of India launched the INSPIRE Programme. The programme is related to the promotion of:

Ans
- ✗ 1. International relations
- ✔ 2. Science and technology
- ✗ 3. Yoga
- ✗ 4. Cultural activities

Question ID : **9489116932**
Option 1 ID : **94891127728**
Option 2 ID : **94891127725**
Option 3 ID : **94891127726**
Option 4 ID : **94891127727**
Status : **Answered**
Chosen Option : **2**

Q.65 Which of the following is NOT included in UNESCO's list of World Heritage Sites in India?

Ans
- ✔ 1. Anand Bhavan
- ✗ 2. Sanchi
- ✗ 3. Bhimbetka
- ✗ 4. Khajuraho

Question ID : **9489116910**
Option 1 ID : **94891127640**
Option 2 ID : **94891127638**
Option 3 ID : **94891127639**
Option 4 ID : **94891127637**
Status : **Not Answered**
Chosen Option : **--**

Q.66 In Brazil, coffee plantations are known as:

Ans
- ✗ 1. Tarzana
- ✗ 2. Miranda
- ✗ 3. Torino
- ✔ 4. Fazenda

Question ID : **9489116925**
Option 1 ID : **94891127699**
Option 2 ID : **94891127697**
Option 3 ID : **94891127700**
Option 4 ID : **94891127698**
Status : **Not Answered**
Chosen Option : **--**

Q.67 What number must be subtracted from both the numerator and denominator of the fraction $\frac{15}{19}$ so as to make it $\frac{3}{4}$?

Ans
- ✗ 1. 6
- ✔ 2. 3
- ✗ 3. 9
- ✗ 4. 5

Question ID : **9489116554**
Option 1 ID : **94891126215**
Option 2 ID : **94891126213**
Option 3 ID : **94891126216**
Option 4 ID : **94891126214**
Status : **Answered**
Chosen Option : **2**

Q.68 If B and C are brothers, A is the sister of C, O is the daughter of D, D is the wife of B, E is the mother of A and the wife of F, then how is O related to F?

Ans
- ✗ 1. Mother's father
- ✗ 2. Daughter's daughter
- ✗ 3. Mother's brother
- ✔ 4. Son's daughter

Question ID : **9489117175**
Option 1 ID : **94891128697**
Option 2 ID : **94891128698**
Option 3 ID : **94891128700**
Option 4 ID : **94891128699**
Status : **Answered**
Chosen Option : **4**

Q.69 Identify the number that will replace the question mark (?) in the second equation based on the relationship represented in the first equation.

$$= a^2 + b^3 + c^4$$

$$= \ ?$$
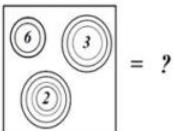
Ans

✔ 1. 329

✘ 2. 79

✘ 3. 420

✘ 4. 36

Question ID : **9489117184**
Option 1 ID : **94891128736**
Option 2 ID : **94891128733**
Option 3 ID : **94891128735**
Option 4 ID : **94891128734**
Status : **Answered**
Chosen Option : **1**

Q.70 Identify the series that is different from the rest.

Ans

✘ 1. 0.0016, 0.04, 0.2

✔ 2. 243, 81, 27

✘ 3. 2401, 49, 7

✘ 4. $\frac{1}{16}, \frac{1}{4}, \frac{1}{2}$

Question ID : **9489117195**
Option 1 ID : **94891128777**
Option 2 ID : **94891128780**
Option 3 ID : **94891128778**
Option 4 ID : **94891128779**
Status : **Answered**
Chosen Option : **2**

Q.71 The perimeter of the floor of a room is 18 m. What is the area of the walls of the room, if the height of the room is 3 m?

Ans

✔ 1. 54 m^2

✘ 2. 21 m^2

✘ 3. 108 m^2

✘ 4. 42 m^2

Question ID : **9489116564**
Option 1 ID : **94891126255**
Option 2 ID : **94891126253**
Option 3 ID : **94891126256**
Option 4 ID : **94891126254**
Status : **Answered**
Chosen Option : **1**

Q.72 Study the following diagram and select the region that best represents the below statement

A doctor who is kind as well as honest
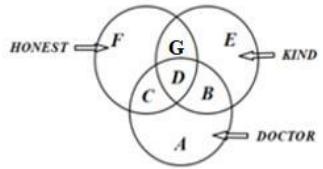
Ans
- ✗ 1. B
- ✗ 2. F
- ✗ 3. C
- ✔ 4. D

Question ID : **9489117197**
Option 1 ID : **94891128788**
Option 2 ID : **94891128785**
Option 3 ID : **94891128787**
Option 4 ID : **94891128786**
Status : **Answered**
Chosen Option : **4**

Q.73 A school collected ₹2,601 as fees from its students. If the fees paid by each student and the number of students in the school were equal, then how many students were there in the school?

Ans
- ✗ 1. 39
- ✗ 2. 49
- ✗ 3. 61
- ✔ 4. 51

Question ID : **9489116544**
Option 1 ID : **94891126175**
Option 2 ID : **94891126174**
Option 3 ID : **94891126176**
Option 4 ID : **94891126173**
Status : **Answered**
Chosen Option : **4**

Q.74 The _____ Five-Year Plan of India completed its term in March 2017.

Ans
- ✔ 1. 12th
- ✗ 2. 10th
- ✗ 3. 11th
- ✗ 4. 13th

Question ID : **9489116939**
Option 1 ID : **94891127755**
Option 2 ID : **94891127753**
Option 3 ID : **94891127754**
Option 4 ID : **94891127756**
Status : **Not Answered**
Chosen Option : **--**

Q.75 A man walking at the speed of 5km/h crosses a bridge in 15 min. The length of the bridge in metres is:

Ans ✗ 1. 1000

✔ 2. 1250

✗ 3. 600

✗ 4. 750

Question ID : **9489116562**
Option 1 ID : **94891126246**
Option 2 ID : **94891126248**
Option 3 ID : **94891126245**
Option 4 ID : **94891126247**
Status : **Answered**
Chosen Option : **2**

Q.76 The river that is known as Jamuna in Bangladesh is called _____ in India.

Ans ✔ 1. Brahmaputra

✗ 2. Ganga

✗ 3. Narmada

✗ 4. Sindhu

Question ID : **9489116926**
Option 1 ID : **94891127702**
Option 2 ID : **94891127701**
Option 3 ID : **94891127704**
Option 4 ID : **94891127703**
Status : **Answered**
Chosen Option : **2**

Q.77 Which of the following is NOT related to Western Ghats?

Ans ✗ 1. Anaimalai Hills

✔ 2. Mahendragiri Hills

✗ 3. Nilgiri Hills

✗ 4. Sahyadri Hills

Question ID : **9489116924**
Option 1 ID : **94891127695**
Option 2 ID : **94891127696**
Option 3 ID : **94891127694**
Option 4 ID : **94891127693**
Status : **Not Answered**
Chosen Option : **--**

Q.78 If the area of a triangle with base 12 cm is equal to the area of a square with side 12 cm, then the altitude of the triangle will be:

Ans
✔ 1. 24 cm
✘ 2. 18 cm
✘ 3. 12 cm
✘ 4. 36 cm

Question ID : **9489116565**
Option 1 ID : **94891126258**
Option 2 ID : **94891126259**
Option 3 ID : **94891126257**
Option 4 ID : **94891126260**
Status : **Answered**
Chosen Option : **1**

Q.79 In which of the following cities is the Indian National Centre for Ocean Information Services (INCOIS) located?

Ans
✘ 1. New Delhi
✔ 2. Hyderabad
✘ 3. Kolkata
✘ 4. Chennai

Question ID : **9489116923**
Option 1 ID : **94891127692**
Option 2 ID : **94891127691**
Option 3 ID : **94891127690**
Option 4 ID : **94891127689**
Status : **Not Answered**
Chosen Option : **--**

Q.80 A nurse dressing the wound of a boy in a clinic is asked by her colleague how that boy is related to her. She replies, "My maternal uncle and the maternal uncle of his maternal uncle are the same." How is that boy related to the nurse?

Ans
✘ 1. Brother
✘ 2. Paternal Aunt
✘ 3. Brother's Son
✔ 4. Son

Question ID : **9489117174**
Option 1 ID : **94891128695**
Option 2 ID : **94891128693**
Option 3 ID : **94891128696**
Option 4 ID : **94891128694**
Status : **Answered**
Chosen Option : **4**

Q.81 The equation whose roots are −2 and 3 is:

Ans

✗ 1. $x^2 - 5x + 6 = 0$

✗ 2. $x^2 - x + 6 = 0$

✔ 3. $x^2 - x - 6 = 0$

✗ 4. $x^2 + 3x - 6 = 0$

Question ID : **9489116567**
Option 1 ID : **94891126265**
Option 2 ID : **94891126268**
Option 3 ID : **94891126266**
Option 4 ID : **94891126267**
Status : **Answered**
Chosen Option : **3**

Q.82 As of October 2020, the highest number of French Open tennis tournaments have been won by:

Ans

✗ 1. Roger Federer

✗ 2. Dominic Thiem

✗ 3. Novak Djokovic

✔ 4. Rafael Nadal

Question ID : **9489116907**
Option 1 ID : **94891127628**
Option 2 ID : **94891127625**
Option 3 ID : **94891127627**
Option 4 ID : **94891127626**
Status : **Answered**
Chosen Option : **1**

Q.83 During which of the following movements did Mahatma Gandhi give the slogan 'Do or Die'?

Ans

✔ 1. Quit India Movement

✗ 2. The Non-Cooperation Movement

✗ 3. The Home Rule Movement

✗ 4. Ghadar Movement

Question ID : **9489116918**
Option 1 ID : **94891127669**
Option 2 ID : **94891127670**
Option 3 ID : **94891127671**
Option 4 ID : **94891127672**
Status : **Answered**
Chosen Option : **1**

Q.84 The image of the point (7, 8) when reflected along the x-axis is:

Ans ✔ 1. (7, −8)

✘ 2. (−7, 8)

✘ 3. (8, 7)

✘ 4. (−7, −8)

Question ID : **9489116569**
Option 1 ID : **94891126273**
Option 2 ID : **94891126274**
Option 3 ID : **94891126276**
Option 4 ID : **94891126275**
Status : **Answered**
Chosen Option : **2**

Q.85 Find the median and the mode of the following data:

2, 3, 5, 7, 2, 3, 3, 5, 7 and 9.

Ans ✔ 1. 4, 3

✘ 2. 3, 3

✘ 3. 4, 4

✘ 4. 3, 4

Question ID : **9489116573**
Option 1 ID : **94891126290**
Option 2 ID : **94891126291**
Option 3 ID : **94891126292**
Option 4 ID : **94891126289**
Status : **Answered**
Chosen Option : **1**

Q.86 The following table shows the marks obtained by two students Raj and Ramesh in different subjects.

Subjects	Raj	Max-marks	Ramesh	Max-marks
Mathematics	18	20	85	100
Physics	17	20	70	100
Chemistry	16	20	60	100
Biology	15	20	75	100

What is the difference between Raj and Ramesh's percentage of aggregate marks?

Ans

✗ 1. 2%

✗ 2. 2.5%

✔ 3. 10%

✗ 4. 5%

Question ID : **9489117189**
Option 1 ID : **94891128756**
Option 2 ID : **94891128754**
Option 3 ID : **94891128755**
Option 4 ID : **94891128753**
Status : **Answered**
Chosen Option : **3**

Q.87 Given below are roll numbers of the candidates who have been shortlisted in an entrance examination. The first two digits represent the city, the second two digits represent the centre and the last three digits represent the candidate. Study the data and answer the question that follows.

|			
2367812	2852118	2453705	2946172
2578912	2452009	2345214	2850504
2687124	2371419	2731899	2578362
2834718	2182617	2431891	2718007
2463891	2486126	2275915	2363321

The maximum number of candidates have been selected from the city with which code?

Ans

✗ 1. 23

✗ 2. 28

✔ 3. 24

✗ 4. 27

Question ID : **9489117190**
Option 1 ID : **94891128757**
Option 2 ID : **94891128759**
Option 3 ID : **94891128758**
Option 4 ID : **94891128760**
Status : **Answered**
Chosen Option : **3**

Q.88 The bar graph given below shows the number of students (in hundred numbers) graduated from 4 different departments of a university, Mathematics (DOM), Physics (DOP), Chemistry (DOC) and English (DOE) during 3 consecutive years.

What is the average number of students that graduated from all the departments (in hundred numbers) for the year 2017?
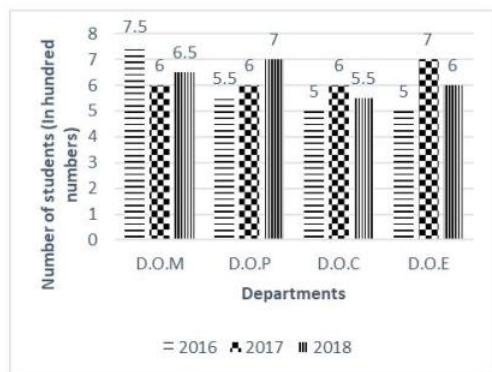
Ans ✔ 1. 625

✘ 2. 200

✘ 3. 2500

✘ 4. 550

Question ID : **9489117191**
Option 1 ID : **94891128762**
Option 2 ID : **94891128763**
Option 3 ID : **94891128764**
Option 4 ID : **94891128761**
Status : **Answered**
Chosen Option : **1**

Q.89 The following pie chart shows the monthly expenditure incurred by Raj's family over different items.
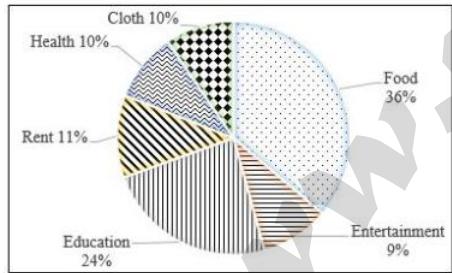

What is the percentage of expenditure incurred on food with respect to expenditure on cloth?

Ans ✘ 1. 46%

✘ 2. 26%

✘ 3. 240%

✔ 4. 360%

Question ID : **9489117192**
Option 1 ID : **94891128767**
Option 2 ID : **94891128768**
Option 3 ID : **94891128765**
Option 4 ID : **94891128766**
Status : **Answered**
Chosen Option : **4**

Q.90 Select the number from among the given alternatives that can replace the question mark (?) in the last figure.

3	5		4	5		6	7		3	4
2	(38)		1	(42)		2	(89)		7	(?)
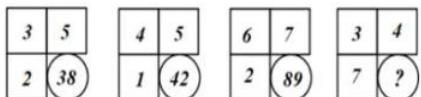
Ans
   ✗ 1. 84
   ✗ 2. 31
   ✔ 3. 74
   ✗ 4. 14

Question ID : **9489117188**
Option 1 ID : **94891128749**
Option 2 ID : **94891128750**
Option 3 ID : **94891128752**
Option 4 ID : **94891128751**
Status : **Answered**
Chosen Option : **3**

Q.91 Select the number from among the given alternatives that can replace the question mark (?) in the last figure.

Triangle 1: 7, (63), 3, 6
Triangle 2: 3, (75), 13, 12
Triangle 3: 2, (?), 4, 18
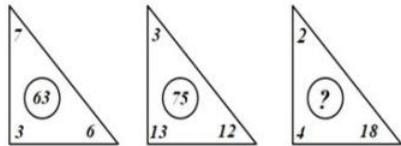
Ans
   ✗ 1. 87
   ✗ 2. 144
   ✗ 3. 22
   ✔ 4. 44

Question ID : **9489117185**
Option 1 ID : **94891128737**
Option 2 ID : **94891128740**
Option 3 ID : **94891128738**
Option 4 ID : **94891128739**
Status : **Answered**
Chosen Option : **4**

Q.92 There are two numbers with the difference of 14 between them and the difference of their squares is 56. What are those numbers?

Ans
   ✔ 1. 9, -5
   ✗ 2. 3, 17
   ✗ 3. 2, 16
   ✗ 4. 23, -9

Question ID : **9489117200**
Option 1 ID : **94891128800**
Option 2 ID : **94891128798**
Option 3 ID : **94891128799**
Option 4 ID : **94891128797**
Status : **Answered**
Chosen Option : **1**

Q.93 Out of the four words listed, three are alike in some manner and one is different. Select the odd one.

Ans

✗ 1. Pen

✗ 2. Pencil

✔ 3. Paper

✗ 4. Chalk

Question ID : **9489117178**
Option 1 ID : **94891128709**
Option 2 ID : **94891128710**
Option 3 ID : **94891128712**
Option 4 ID : **94891128711**
Status : **Answered**
Chosen Option : **3**

Q.94 In a certain code language, COMPUTER is written as 31191267218 and PHONE is written as 12511142. How will MOTHER be written in the same code language?

Ans

✔ 1. 91175218

✗ 2. 91121875

✗ 3. 91171852

✗ 4. 91172518

Question ID : **9489117179**
Option 1 ID : **94891128715**
Option 2 ID : **94891128713**
Option 3 ID : **94891128714**
Option 4 ID : **94891128716**
Status : **Answered**
Chosen Option : **1**

Q.95 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:

1. All Venus are Mercury.

2. Some Jupiter are Venus.

3. All Pluto are Jupiter.

Conclusions:

I. All Pluto are Mercury.

II. Some Pluto are Mercury.

III. Some Mercury are Jupiter.

IV. All Jupiter are Mercury.

Ans ✔ 1. Only conclusion III follows.

✘ 2. Only conclusions I and III follow.

✘ 3. Only conclusion II follows.

✘ 4. Only conclusion I follows.

Question ID : **9489117203**
Option 1 ID : **94891128812**
Option 2 ID : **94891128811**
Option 3 ID : **94891128810**
Option 4 ID : **94891128809**
Status : **Answered**
Chosen Option : **1**

Q.96 Read the given statement and conclusions carefully and decide which of the conclusions logically follow(s) from the statement.

Statement:

A friend in need is a friend indeed.
Conclusion:

(i) A person who helps you in difficult situations is your friend.
(ii) Your enemies can also sometimes have a change of heart and help you in times of need

Ans ✔ 1. Only conclusion (i) follows

✘ 2. Both conclusions (i) and (ii) follow

✘ 3. Only conclusion (ii) follows

✘ 4. None of the conclusion follows

Question ID : **9489117181**
Option 1 ID : **94891128721**
Option 2 ID : **94891128723**
Option 3 ID : **94891128722**
Option 4 ID : **94891128724**
Status : **Answered**
Chosen Option : **1**

Q.97 In a code language if QUESTION is coded as PRTVDFRTSUHJNPMO, then how will ANSWER be coded?

Ans ✔ 1. ZBMORTVXDFQS

✗ 2. ZABABCNMONOPQRSSTUWSQ

✗ 3. OMNJHUSTRFDVTRP

✗ 4. REWSNA

Question ID : **9489117176**
Option 1 ID : **94891128704**
Option 2 ID : **94891128702**
Option 3 ID : **94891128701**
Option 4 ID : **94891128703**
Status : **Answered**
Chosen Option : **1**

Q.98 In a certain language institute, English and Spanish language courses were available. Some students enrolled for only English and some students for only Spanish. A group of students of this institute were not interested in either so they didn't enrol. The rest enrolled for both English and Spanish. Which one of the following logic diagrams correctly reflects the above situation.

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
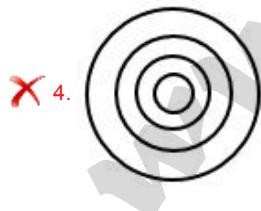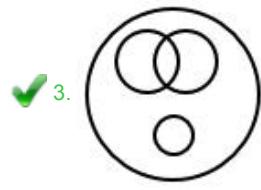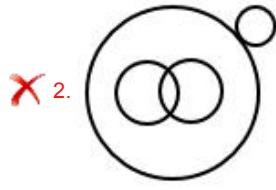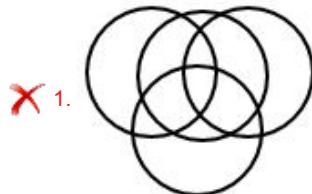
Question ID : **9489117198**
Option 1 ID : **94891128789**
Option 2 ID : **94891128792**
Option 3 ID : **94891128791**
Option 4 ID : **94891128790**
Status : **Answered**
Chosen Option : **3**

Q.99 Select the number from among the given alternatives that can replace the question mark (?) in the last figure.

Ans ✔ 1. 4

✘ 2. 6

✘ 3. 2

✘ 4. 5

Question ID : **9489117183**
Option 1 ID : **94891128729**
Option 2 ID : **94891128731**
Option 3 ID : **94891128730**
Option 4 ID : **94891128732**
Status : **Answered**
Chosen Option : **1**

Q.100 Select the number from among the given alternatives that can replace the question mark (?) in the last figure.
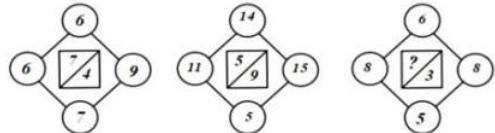
Ans ✘ 1. 3

✘ 2. 2

✔ 3. 9

✘ 4. 7

Question ID : **9489117186**
Option 1 ID : **94891128741**
Option 2 ID : **94891128744**
Option 3 ID : **94891128742**
Option 4 ID : **94891128743**
Status : **Answered**
Chosen Option : **3**

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