



## रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS



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

Participant ID	
Participant Name	
Test Center Name	TCS Gito Bitan
Test Date	28/12/2020
Test Time	3:00 PM - 4:30 PM
Subject	NTPC

**\* Note**

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

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : NTPC

Q.1 For any natural number  $n$ ,  $6^n - 5^n$  always ends with :

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

Question ID : 948911852

Option 1 ID : 9489113406

Option 2 ID : 9489113407

Option 3 ID : 9489113405

Option 4 ID : 9489113408

Status : Answered

Chosen Option : 4



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**Q.2** A can complete a piece of work in 20 days and B alone can complete the work in 30 days. Due to some other work, A had to leave the work before completion and for the last 5 days B alone did the work. The total time taken to complete the work is:

- Ans**
- 1. 12 days
  - 2. 18 days
  - 3. 15 days
  - 4. 20 days

Question ID : 948911861  
Option 1 ID : 9489113441  
Option 2 ID : 9489113443  
Option 3 ID : 9489113442  
Option 4 ID : 9489113444  
Status : Answered  
Chosen Option : 3

**Q.3** The numerator of a fraction is 2 less than the denominator. If the numerator is multiplied by 2 and the denominator is multiplied by 3, then the fraction becomes  $\frac{2}{3}$ . The fraction is:

- Ans**
- 1.  $\frac{5}{7}$
  - 2.  $\frac{3}{5}$
  - 3.  $\frac{7}{9}$
  - 4.  $\frac{1}{3}$

Question ID : 948911849  
Option 1 ID : 9489113394  
Option 2 ID : 9489113395  
Option 3 ID : 9489113393  
Option 4 ID : 9489113396  
Status : Answered  
Chosen Option : 4



Q.4 The sum of two numbers is 1500. Their LCM is 16379. Two numbers are:

- Ans
- 1. 1489, 11
  - 2. 1479, 21
  - 3. 1453, 47
  - 4. 1053, 447

Question ID : 948911853  
Option 1 ID : 9489113411  
Option 2 ID : 9489113412  
Option 3 ID : 9489113410  
Option 4 ID : 9489113409  
Status : Answered  
Chosen Option : 1

Q.5 Which of the following is NOT a part of the circulatory system?

- Ans
- 1. Blood
  - 2. Heart
  - 3. Large intestine
  - 4. Arteries

Question ID : 948911914  
Option 1 ID : 9489113655  
Option 2 ID : 9489113654  
Option 3 ID : 9489113653  
Option 4 ID : 9489113656  
Status : Answered  
Chosen Option : 3

Q.6 The Global Climate Change Alliance is an initiative of:

- Ans
- 1. European Union
  - 2. Continental Union
  - 3. World Union
  - 4. Greek Union

Question ID : 948911935  
Option 1 ID : 9489113737  
Option 2 ID : 9489113738  
Option 3 ID : 9489113739  
Option 4 ID : 9489113740  
Status : Answered  
Chosen Option : 1



Q.7 A number was increased by 40% and there after decreased by 40%. The net change in the number in percentage is:

- Ans
- 1. no change
  - 2. 16% increase
  - 3. 16% decrease
  - 4. 32% decrease

Question ID : 948911857  
Option 1 ID : 9489113427  
Option 2 ID : 9489113425  
Option 3 ID : 9489113426  
Option 4 ID : 9489113428  
Status : Answered  
Chosen Option : 3

Q.8 Yen is the currency of:

- Ans
- 1. Japan
  - 2. Bali
  - 3. Maldives
  - 4. South Korea

Question ID : 948911925  
Option 1 ID : 9489113699  
Option 2 ID : 9489113700  
Option 3 ID : 9489113697  
Option 4 ID : 9489113698  
Status : Answered  
Chosen Option : 1

Q.9 Who gave the idea of a constituent assembly of India for the first time?

- Ans
- 1. Dr Rajendra Prasad
  - 2. M N Roy
  - 3. B N Rau
  - 4. B R Ambedkar

Question ID : 948911927  
Option 1 ID : 9489113706  
Option 2 ID : 9489113705  
Option 3 ID : 9489113707  
Option 4 ID : 9489113708  
Status : Answered  
Chosen Option : 2



**Q.10** The capacity of working by A and B is in the ratio 3 : 4. If A takes 12 days to finish the work, the time taken by B to finish the same work is:

- Ans  1. 9 days  
 2. 16 days  
 3. 18 days  
 4. 12 days

Question ID : 948911863  
Option 1 ID : 9489113452  
Option 2 ID : 9489113449  
Option 3 ID : 9489113450  
Option 4 ID : 9489113451  
Status : Answered  
Chosen Option : 1

**Q.11** The region of planet Earth, where life exists is known as

- Ans  1. Biosphere  
 2. Atmosphere  
 3. Cryosphere  
 4. Hemisphere

Question ID : 948911923  
Option 1 ID : 9489113691  
Option 2 ID : 9489113689  
Option 3 ID : 9489113690  
Option 4 ID : 9489113692  
Status : Answered  
Chosen Option : 1

**Q.12** Which of the following Awards is associated with only Music?

- Ans  1. Grammy  
 2. Tagore  
 3. Oscar  
 4. Cannes

Question ID : 948911907  
Option 1 ID : 9489113627  
Option 2 ID : 9489113626  
Option 3 ID : 9489113625  
Option 4 ID : 9489113628  
Status : Answered  
Chosen Option : 1



Q.13 If AMBER = 27 and BROWN = 14, then GREEN will be equal to:

- Ans
- 1. 28
  - 2. 36
  - 3. 39
  - 4. 24

Question ID : 9489111179  
Option 1 ID : 9489114714  
Option 2 ID : 9489114715  
Option 3 ID : 9489114716  
Option 4 ID : 9489114713  
Status : Not Answered  
Chosen Option : --

Q.14 The first attempt to calculate national income in India was made by:

- Ans
- 1. VKRV Rao
  - 2. SD Tendulkar
  - 3. PC Mahalanobis
  - 4. Dadabhai Naoroji

Question ID : 948911939  
Option 1 ID : 9489113755  
Option 2 ID : 9489113754  
Option 3 ID : 9489113753  
Option 4 ID : 9489113756  
Status : Answered  
Chosen Option : 4

Q.15 According to which law, at constant temperature, the volume of a gas is inversely proportional to pressure?

- Ans
- 1. Graham's Law
  - 2. Charle's Law
  - 3. Boyle's Law
  - 4. Gay-Lussac's Law

Question ID : 948911913  
Option 1 ID : 9489113651  
Option 2 ID : 9489113649  
Option 3 ID : 9489113652  
Option 4 ID : 9489113650  
Status : Answered  
Chosen Option : 3



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**Q.16** Read the given statements and conclusions (options) carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide from the options given which conclusion logically follows from the statements.

**Statements:**

1. No pilots are amateurs.
2. A few amateurs are players.

- Ans**
- 1. Some amateurs are not players
  - 2. Some pilots are players
  - 3. Some players are pilots
  - 4. Some pilots are not players

Question ID : 9489111180

Option 1 ID : 9489114720

Option 2 ID : 9489114717

Option 3 ID : 9489114718

Option 4 ID : 9489114719

Status : Answered

Chosen Option : 1

**Q.17** Where is the headquarters of United Nations Security Council located?

- Ans**
- 1. New Jersey
  - 2. Chicago
  - 3. New York
  - 4. Boston

Question ID : 948911933

Option 1 ID : 9489113732

Option 2 ID : 9489113731

Option 3 ID : 9489113730

Option 4 ID : 9489113729

Status : Answered

Chosen Option : 3



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Q.18 Jan Shikshan Sansthan (JSS) operates under the aegis of:

- Ans
- 1. Ministry of Home Affairs
  - 2. Ministry of Defence
  - 3. Ministry of Skill Development and Entrepreneurship
  - 4. Ministry of Human Resource Development

Question ID : 948911942  
Option 1 ID : 9489113768  
Option 2 ID : 9489113766  
Option 3 ID : 9489113767  
Option 4 ID : 9489113765  
Status : Answered  
Chosen Option : 4

Q.19 If  $x = a \sin t, y = b \tan t$ , then  $\frac{a^2}{x^2} - \frac{b^2}{y^2}$  is:

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

Question ID : 948911871  
Option 1 ID : 9489113482  
Option 2 ID : 9489113484  
Option 3 ID : 9489113483  
Option 4 ID : 9489113481  
Status : Answered  
Chosen Option : 4

Q.20 If  $\cos 2\theta = \sin \theta$  and  $\theta$  lies between  $0$  and  $90^\circ$ , then  $\theta$  will be:

- Ans
- 1.  $45^\circ$
  - 2.  $90^\circ$
  - 3.  $30^\circ$
  - 4.  $60^\circ$

Question ID : 948911870  
Option 1 ID : 9489113479  
Option 2 ID : 9489113477  
Option 3 ID : 9489113480  
Option 4 ID : 9489113478  
Status : Answered  
Chosen Option : 3





Q.21 Who is called the father of taxonomy?

- Ans
- 1. Engler
  - 2. Eichler
  - 3. Bentham and Hooker
  - 4. Carl Linnaeus

Question ID : 948911916  
Option 1 ID : 9489113661  
Option 2 ID : 9489113664  
Option 3 ID : 9489113662  
Option 4 ID : 9489113663  
Status : Answered  
Chosen Option : 4

Q.22 Who among the following is a famous Santoor instrumentalist?

- Ans
- 1. Shiv Kumar Sharma
  - 2. Ustad Binda Khan
  - 3. Sajjad Hussain
  - 4. Nikhil Banerjee

Question ID : 948911908  
Option 1 ID : 9489113632  
Option 2 ID : 9489113630  
Option 3 ID : 9489113629  
Option 4 ID : 9489113631  
Status : Answered  
Chosen Option : 1

Q.23 ABC is an equilateral triangle. P, Q and R are the midpoints of sides AB, BC and AC respectively. The length of the side of the triangle is 4 cm. The area of triangle PQR is:

- Ans
- 1.  $\frac{\sqrt{3}}{9} \text{ cm}^2$
  - 2.  $\frac{\sqrt{3}}{2} \text{ cm}^2$
  - 3.  $\sqrt{3} \text{ cm}^2$
  - 4.  $\frac{1}{4} \sqrt{3} \text{ cm}^2$

Question ID : 948911873  
Option 1 ID : 9489113492  
Option 2 ID : 9489113491  
Option 3 ID : 9489113490  
Option 4 ID : 9489113489  
Status : Answered  
Chosen Option : 3



Q.24 Which of the following states has a Legislative Council?

- Ans
- 1. Assam
  - 2. Madhya Pradesh
  - 3. Andhra Pradesh
  - 4. Himachal Pradesh

Question ID : 948911929  
Option 1 ID : 9489113713  
Option 2 ID : 9489113714  
Option 3 ID : 9489113716  
Option 4 ID : 9489113715  
Status : Answered  
Chosen Option : 3

Q.25 Six friends are sitting around a round table. Mohan is sitting opposite Rohit who is sitting between Ram and Mohit. Mohit is sitting opposite Shyam. Who is sitting opposite Rohan?

- Ans
- 1. Ram
  - 2. Mohit
  - 3. Shyam
  - 4. Rohit

Question ID : 948911202  
Option 1 ID : 9489114806  
Option 2 ID : 9489114808  
Option 3 ID : 9489114807  
Option 4 ID : 9489114805  
Status : Answered  
Chosen Option : 1

Q.26 If  $P = 0.3 \times 0.3 + 0.03 \times 0.03 - 0.6 \times 0.03$  and  $Q = 0.54$ , then  $\frac{P}{Q}$  is equal to:

- Ans
- 1. 4.5
  - 2. 0.45
  - 3. 4.05
  - 4. 0.135

Question ID : 948911851  
Option 1 ID : 9489113403  
Option 2 ID : 9489113404  
Option 3 ID : 9489113401  
Option 4 ID : 9489113402  
Status : Not Answered  
Chosen Option : --

**Q.27** A sum of money of ₹2600.00 was lent out in two parts in such a way that the simple interest on the first part at 10% per annum for 5 years is the same as the interest of the second part at 9% per annum for 6 years. The part lent out at 10% is -

- Ans**
- 1. ₹1150.00
  - 2. ₹1250.00
  - 3. ₹1350.00
  - 4. ₹1450.00

Question ID : 948911859  
Option 1 ID : 9489113433  
Option 2 ID : 9489113434  
Option 3 ID : 9489113435  
Option 4 ID : 9489113436  
Status : Answered  
Chosen Option : 3

**Q.28** The famous Gol Gumbaz is located in:

- Ans**
- 1. Karnataka
  - 2. Rajasthan
  - 3. Gujarat
  - 4. Punjab

Question ID : 948911910  
Option 1 ID : 9489113639  
Option 2 ID : 9489113640  
Option 3 ID : 9489113638  
Option 4 ID : 9489113637  
Status : Answered  
Chosen Option : 1

**Q.29** Choose the mirror image of the following **A!B@C#D\$E%**

- Ans**
- 1. #!E\$D@C!B@A
  - 2. %!E\$D@C#B!A
  - 3. #!E\$D@C!B@A
  - 4. %!E\$D@C#B!A

Question ID : 9489111184  
Option 1 ID : 9489114734  
Option 2 ID : 9489114735  
Option 3 ID : 9489114736  
Option 4 ID : 9489114733  
Status : Answered  
Chosen Option : 2

Q.30 Select the option that is related to the third term in the same way as the second term is related to the first term.

Dog : Guard :: Horse : ?

- Ans
- 1. Stable
  - 2. Cart
  - 3. Ride
  - 4. Saddle

Question ID : 9489111175

Option 1 ID : 9489114700

Option 2 ID : 9489114698

Option 3 ID : 9489114697

Option 4 ID : 9489114699

Status : Answered

Chosen Option : 3

Q.31 If  $p^2 + q^2 - r^2 = 0$ , then the value of  $p^6 + q^6 - r^6 \div p^2 q^2 r^2$ , is:

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

Question ID : 948911866

Option 1 ID : 9489113464

Option 2 ID : 9489113463

Option 3 ID : 9489113462

Option 4 ID : 9489113461

Status : Answered

Chosen Option : 3

Q.32 A man invested  $\frac{1}{2}$  of his capital at 5% rate of interest per annum,  $\frac{1}{3}$  of his capital at 8% per annum and the remaining at 10% rate of interest per annum. His total income from the three investments is ₹820.00 in a year. The total capital invested is:

- Ans
- 1. ₹16000.00
  - 2. ₹6400.00
  - 3. ₹8000.00
  - 4. ₹12000.00

Question ID : 948911858

Option 1 ID : 9489113429

Option 2 ID : 9489113430

Option 3 ID : 9489113431

Option 4 ID : 9489113432

Status : Answered

Chosen Option : 4



**Q.33** Select the number from among the given options that can replace the question mark (?) in the following matrix.

14	12	10	8
10	8	6	4
8	6	4	2
?	14	12	10

- Ans
- 1. 12
  - 2. 8
  - 3. 16
  - 4. 0

Question ID : 9489111199  
Option 1 ID : 9489114794  
Option 2 ID : 9489114796  
Option 3 ID : 9489114793  
Option 4 ID : 9489114795  
Status : Answered  
Chosen Option : 3

**Q.34** Out of the four number-pair listed, three are alike in some manner and one is different. Select the odd one.

- Ans
- 1. 4 – 64
  - 2. 7 – 27
  - 3. 6 – 216
  - 4. 9 – 729

Question ID : 9489111193  
Option 1 ID : 9489114770  
Option 2 ID : 9489114772  
Option 3 ID : 9489114771  
Option 4 ID : 9489114769  
Status : Answered  
Chosen Option : 2

**Q.35** The Moplah Rebellion took place between the years:

- Ans
- 1. 1914-1915
  - 2. 1923-1924
  - 3. 1917-1919
  - 4. 1921-1922

Question ID : 948911919  
Option 1 ID : 9489113674  
Option 2 ID : 9489113676  
Option 3 ID : 9489113673  
Option 4 ID : 9489113675  
Status : Answered  
Chosen Option : 4



Q.36 Read the following information and answer the question that follows.

- (i) I, J, K, L, M and N are playing hockey.
- (ii) I and M are sisters and N is the brother of M.
- (iii) K is the only son of I's paternal uncle.
- (iv) J and L are the sons of a brother of K's father.

How K is related to M?

- Ans
- 1. Cousin
  - 2. Sister
  - 3. Uncle
  - 4. Brother

Question ID : 9489111201  
Option 1 ID : 9489114801  
Option 2 ID : 9489114802  
Option 3 ID : 9489114804  
Option 4 ID : 9489114803  
Status : Answered  
Chosen Option : 1

Q.37 The length of the longest pole, that could be placed in a room of dimensions 10 m, 8 m and 6 m, is:

- Ans
- 1. 18 m
  - 2. 14 m
  - 3.  $10 \times \sqrt{2}$  m
  - 4. 15 m

Question ID : 948911865  
Option 1 ID : 9489113460  
Option 2 ID : 9489113458  
Option 3 ID : 9489113459  
Option 4 ID : 9489113457  
Status : Answered  
Chosen Option : 3





Q.38 Which of the following was given the Filmfare Award for Best Film in 2020?

- Ans
- 1. Article 15
  - 2. Gully Boy
  - 3. Andhadhun
  - 4. Padman

Question ID : 948911904  
Option 1 ID : 9489113613  
Option 2 ID : 9489113615  
Option 3 ID : 9489113616  
Option 4 ID : 9489113614  
Status : Answered  
Chosen Option : 2

Q.39 Sita took an auto from her home in Andheri (A) to go to her college in Fatehpuri (F). Rather than continuing straight on the direct road to the college that had no turns, the auto driver took a diversion after 10 km and turned right at Bandra (B) crossing, then at Colaba T- point (C) after 8 km turned left, again after covering 12 km turned left at Dalhousi Building (D) and soon after 8 km turned right at Elphinston point (E) and after covering 4 km reached Fatehpuri (F). Had the auto driver taken the direct route how much less distance would Sita have actually travelled between the starting point and the destination?

- Ans
- 1. 12 km
  - 2. 10 km
  - 3. 18 km
  - 4. 16 km

Question ID : 948911203  
Option 1 ID : 9489114811  
Option 2 ID : 9489114812  
Option 3 ID : 9489114810  
Option 4 ID : 9489114809  
Status : Answered  
Chosen Option : 4

Q.40 Jallianwala Bagh massacre took place during the term of Viceroy:

- Ans
- 1. Lord Irwin
  - 2. Lord Chelmsford
  - 3. Lord Dalhousie
  - 4. Lord Ripon

Question ID : 948911920  
Option 1 ID : 9489113679  
Option 2 ID : 9489113680  
Option 3 ID : 9489113678  
Option 4 ID : 9489113677  
Status : Answered  
Chosen Option : 2





Q.41 The smallest square number which is exactly divisible by 12, 15 and 18 is:

- Ans
- 1. 625
  - 2. 1225
  - 3. 900
  - 4. 400

Question ID : 948911850  
Option 1 ID : 9489113398  
Option 2 ID : 9489113400  
Option 3 ID : 9489113399  
Option 4 ID : 9489113397  
Status : Answered  
Chosen Option : 3

Q.42 On which date did Jallianwala Bagh massacre take place?

- Ans
- 1. 13<sup>th</sup> April, 1919
  - 2. 30<sup>th</sup> April, 1919
  - 3. 30<sup>th</sup> April, 1920
  - 4. 13<sup>th</sup> April, 1920

Question ID : 948911917  
Option 1 ID : 9489113666  
Option 2 ID : 9489113665  
Option 3 ID : 9489113667  
Option 4 ID : 9489113668  
Status : Answered  
Chosen Option : 1

Q.43 Which of the following projects is in Uttarakhand?

- Ans
- 1. Chamera Hydroelectric Project
  - 2. Tehri Hydro Power Complex
  - 3. Koyna Hydroelectric Project
  - 4. Sharavathi Hydroelectric Project

Question ID : 948911941  
Option 1 ID : 9489113764  
Option 2 ID : 9489113761  
Option 3 ID : 9489113762  
Option 4 ID : 9489113763  
Status : Answered  
Chosen Option : 2



**Q.44** In a certain code language, MAHARAJA is written as ZNUNENWN. How will RAINDROP be coded as in that language?

- Ans
- 1. ENVAQEBC
  - 2. ENVAEQBC
  - 3. EVNAQEBC
  - 4. ENAVQEBC

Question ID : 9489111176  
Option 1 ID : 9489114703  
Option 2 ID : 9489114704  
Option 3 ID : 9489114702  
Option 4 ID : 9489114701  
Status : Answered  
Chosen Option : 1

**Q.45** The Theory of Relativity is associated with:

- Ans
- 1. Newton
  - 2. Kelvin
  - 3. WC Rontgen
  - 4. Albert Einstein

Question ID : 948911912  
Option 1 ID : 9489113645  
Option 2 ID : 9489113646  
Option 3 ID : 9489113647  
Option 4 ID : 9489113648  
Status : Answered  
Chosen Option : 4

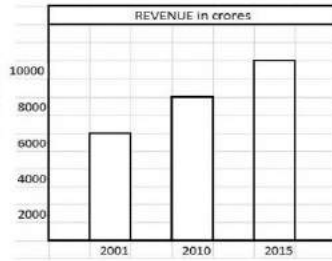
**Q.46** What is Net National Product (NNP)?

- Ans
- 1.  $NNP = GNP - \text{Depreciation}$
  - 2.  $NNP = GDP + \text{Income from abroad}$
  - 3.  $NNP = GDP - \text{Income from abroad}$
  - 4.  $NNP = GNP + \text{Depreciation}$

Question ID : 948911940  
Option 1 ID : 9489113757  
Option 2 ID : 9489113759  
Option 3 ID : 9489113760  
Option 4 ID : 9489113758  
Status : Answered  
Chosen Option : 1



**Q.47** The revenue earned by Company A in 2001 is ₹6,300 crore, that earned in 2010 is ₹8,100 crore and that earned in 2015 is ₹10,800 crore. What is the ratio of the increase in revenue between 2001 to 2010 and between 2010 to 2015?



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

Question ID : 9489111192  
Option 1 ID : 9489114765  
Option 2 ID : 9489114768  
Option 3 ID : 9489114766  
Option 4 ID : 9489114767

Status : Answered

Chosen Option : 1

**Q.48** Bhabha Atomic Research Centre (BARC) is located in:

- Ans
- 1. Chennai
  - 2. Tarapur
  - 3. Hyderabad
  - 4. Mumbai

Question ID : 948911930  
Option 1 ID : 9489113718  
Option 2 ID : 9489113720  
Option 3 ID : 9489113719  
Option 4 ID : 9489113717

Status : Answered

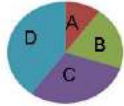
Chosen Option : 2



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**Q.49** Of the 360 students who sat for Class X Board exams, 10% students scored A grade, 20% students scored B grade, 30% students scored C grade and 40% scored D grade. From the given pie chart, find the total number of students who scored Grade A and Grade B.



- Ans  1. 108  
 2. 144  
 3. 72  
 4. 36

Question ID : 9489111189  
Option 1 ID : 9489114755  
Option 2 ID : 9489114753  
Option 3 ID : 9489114754  
Option 4 ID : 9489114756  
Status : Answered  
Chosen Option : 1

**Q.50** Choose the mirror image of CHIVALRY

- Ans  1. YRAJVIHƆ  
 2. YRJAVIHƆ  
 3. YRJVAIHƆ  
 4. CIHVAГƆA

Question ID : 9489111183  
Option 1 ID : 9489114730  
Option 2 ID : 9489114729  
Option 3 ID : 9489114731  
Option 4 ID : 9489114732  
Status : Answered  
Chosen Option : 2

**Q.51** The process of taking out stored results out of physical memory of Computers is known as:

- Ans  1. input process  
 2. processing  
 3. programming  
 4. output process

Question ID : 948911936  
Option 1 ID : 9489113741  
Option 2 ID : 9489113742  
Option 3 ID : 9489113744  
Option 4 ID : 9489113743  
Status : Answered  
Chosen Option : 4



Q.52 Who fought the Battle of Plassey against the East India Company?

- Ans
- 1. Alivardi Khan
  - 2. Tipu Sultan
  - 3. Mir Jafar
  - 4. Sirajuddaulah

Question ID : 948911918  
Option 1 ID : 9489113669  
Option 2 ID : 9489113671  
Option 3 ID : 9489113670  
Option 4 ID : 9489113672  
Status : Answered  
Chosen Option : 4

Q.53 Given below is the marks obtained by 20 students in mathematics out of 30 marks.

7, 9, 12, 12, 13, 12, 14, 14, 14, 14, 15, 16, 17, 18, 18, 19, 20, 18, 20, 13. Then  $(2 \times \text{median} - \text{mode})$  of the data is equal to:

- Ans
- 1. 14
  - 2. 0
  - 3. 12
  - 4. 18

Question ID : 948911868  
Option 1 ID : 9489113469  
Option 2 ID : 9489113471  
Option 3 ID : 9489113472  
Option 4 ID : 9489113470  
Status : Answered  
Chosen Option : 1

Q.54 The radius of the circumcircle of an equilateral triangle of  $\sqrt{3}$  unit side, is:

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

Question ID : 948911864  
Option 1 ID : 9489113455  
Option 2 ID : 9489113456  
Option 3 ID : 9489113454  
Option 4 ID : 9489113453  
Status : Answered  
Chosen Option : 3



Q.55 Glowing surface of the sun is known as:

- Ans
- 1. photosphere
  - 2. atmosphere
  - 3. lithosphere
  - 4. chromosphere

Question ID : 948911922  
Option 1 ID : 9489113686  
Option 2 ID : 9489113688  
Option 3 ID : 9489113687  
Option 4 ID : 9489113685  
Status : Not Answered  
Chosen Option : --

Q.56 The Tri-Color which was hoisted in Stuttgart by Madam Cama was smuggled into British India by:

- Ans
- 1. Kishan Singh
  - 2. Veer Savarkar
  - 3. Bhikaji Cama
  - 4. Indulal Yagnik

Question ID : 948911921  
Option 1 ID : 9489113684  
Option 2 ID : 9489113681  
Option 3 ID : 9489113683  
Option 4 ID : 9489113682  
Status : Not Answered  
Chosen Option : --

Q.57 The smallest number which should be subtracted from the smallest number of four digits to make it a perfect square is:

- Ans
- 1. 120
  - 2. 39
  - 3. 159
  - 4. 24

Question ID : 948911844  
Option 1 ID : 9489113376  
Option 2 ID : 9489113373  
Option 3 ID : 9489113374  
Option 4 ID : 9489113375  
Status : Answered  
Chosen Option : 2



Q.58 If x satisfies the equation  $x^2 - 2x + 1 = 0$ , then the value of  $x^3 - \frac{1}{x^3}$  is:

- Ans
- 1. 1
  - 2. -1
  - 3.  $\frac{1}{3}$
  - 4. 0

Question ID : 948911867  
Option 1 ID : 9489113465  
Option 2 ID : 9489113468  
Option 3 ID : 9489113466  
Option 4 ID : 9489113467  
Status : Answered  
Chosen Option : 4

Q.59 Which Nation has hosted the Commonwealth Games five times?

- Ans
- 1. Australia
  - 2. England
  - 3. Canada
  - 4. New Zealand

Question ID : 948911905  
Option 1 ID : 9489113617  
Option 2 ID : 9489113620  
Option 3 ID : 9489113618  
Option 4 ID : 9489113619  
Status : Not Answered  
Chosen Option : --

Q.60 Which of the following is NOT a part of auxiliary memories in a Computer system?

- Ans
- 1. Floppy
  - 2. Magnetic tapes
  - 3. PROM
  - 4. CD-ROM

Question ID : 948911937  
Option 1 ID : 9489113746  
Option 2 ID : 9489113745  
Option 3 ID : 9489113747  
Option 4 ID : 9489113748  
Status : Answered  
Chosen Option : 3





Q.61 The first Indian Communication satellite is:

- Ans
- 1. Aryabhata
  - 2. Rohini
  - 3. MOM
  - 4. APPLE

Question ID : 948911931  
Option 1 ID : 9489113721  
Option 2 ID : 9489113724  
Option 3 ID : 9489113723  
Option 4 ID : 9489113722  
Status : Answered  
Chosen Option : 1

Q.62 Which of the following is a scalar quantity?

- Ans
- 1. Momentum
  - 2. Force
  - 3. Mass
  - 4. Velocity

Question ID : 948911911  
Option 1 ID : 9489113644  
Option 2 ID : 9489113642  
Option 3 ID : 9489113641  
Option 4 ID : 9489113643  
Status : Answered  
Chosen Option : 3

Q.63 Three persons invested an amount of money in a business in the ratio  $\frac{1}{2} : \frac{1}{3} : \frac{1}{4}$ . At the end of a year, the total profit was ₹15600. The largest share received in profit will be:

- Ans
- 1. ₹7200
  - 2. ₹8000
  - 3. ₹7500
  - 4. ₹7000

Question ID : 948911855  
Option 1 ID : 9489113417  
Option 2 ID : 9489113419  
Option 3 ID : 9489113420  
Option 4 ID : 9489113418  
Status : Answered  
Chosen Option : 1



Q.64 Solve the following:

$$\frac{1}{2} \times \frac{2}{3} - \frac{3}{4} \left( \frac{1}{2} \times \frac{1}{3} + \frac{5}{6} \right) \times \frac{4}{21} = ?$$

- Ans
- 1. 2
  - 2.  $\frac{1}{3}$
  - 3.  $\frac{1}{2}$
  - 4.  $\frac{4}{21}$

Question ID : 948911848

Option 1 ID : 9489113392

Option 2 ID : 9489113391

Option 3 ID : 9489113390

Option 4 ID : 9489113389

Status : Answered

Chosen Option : 4

Q.65 If  $\frac{\sqrt{19-x\sqrt{12}}}{1} = \sqrt{4} - \sqrt{3}$ , then the value of x is equal to:

- Ans
- 1.  $\sqrt{3} + 2$
  - 2.  $2 + 2\sqrt{3}$
  - 3.  $\sqrt{3} - 2$
  - 4.  $2 + 4\sqrt{3}$

Question ID : 948911845

Option 1 ID : 9489113379

Option 2 ID : 9489113377

Option 3 ID : 9489113380

Option 4 ID : 9489113378

Status : Answered

Chosen Option : 2



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Q.66 49<sup>th</sup> parallel is a boundary between:

- Ans
- 1. India and Pakistan
  - 2. France and Germany
  - 3. North Korea and South Korea
  - 4. USA and Canada

Question ID : 948911926  
Option 1 ID : 9489113701  
Option 2 ID : 9489113702  
Option 3 ID : 9489113704  
Option 4 ID : 9489113703  
Status : Answered  
Chosen Option : 4

Q.67 The difference between the mean of the first eight composite natural numbers and the mean of the first eight prime numbers, is:

- Ans
- 1.  $\frac{3}{20}$
  - 2.  $\frac{1}{5}$
  - 3.  $\frac{1}{8}$
  - 4.  $\frac{1}{4}$

Question ID : 948911872  
Option 1 ID : 9489113486  
Option 2 ID : 9489113487  
Option 3 ID : 9489113485  
Option 4 ID : 9489113488  
Status : Answered  
Chosen Option : 3

Q.68 Which colour is associated with the revolution in fertilisers?

- Ans
- 1. Grey
  - 2. Black
  - 3. Golden
  - 4. Pink

Question ID : 948911924  
Option 1 ID : 9489113695  
Option 2 ID : 9489113696  
Option 3 ID : 9489113693  
Option 4 ID : 9489113694  
Status : Answered  
Chosen Option : 1



**Q.69** In a school, the average age of boys and girls together is 16.8 years, the average age of boys is 15.4 years, and the average age of girls is 18.2 years. The ratio of number of boys to girls in the school is:

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

Question ID : 948911854  
Option 1 ID : 9489113415  
Option 2 ID : 9489113416  
Option 3 ID : 9489113413  
Option 4 ID : 9489113414

Status : Answered  
Chosen Option : 2

**Q.70** The Sahitya Academy is head quartered at: \_\_\_\_\_.

- Ans
- 1. Mumbai
  - 2. Bangalore
  - 3. Hyderabad
  - 4. New Delhi

Question ID : 948911909  
Option 1 ID : 9489113633  
Option 2 ID : 9489113636  
Option 3 ID : 9489113635  
Option 4 ID : 9489113634

Status : Answered  
Chosen Option : 4

**Q.71** If  $P = 2 + 0.2 \div (0.2 \times 2) - 1 \times 2$

$Q = 2 - 0.2 \div (0.2 \times 2) - \frac{1}{2} \times 2$ , then  $\frac{P}{Q}$  is the equal to:

- Ans
- 1. 1.0
  - 2. 1.5
  - 3. -0.5
  - 4. 0.5

Question ID : 948911847  
Option 1 ID : 9489113387  
Option 2 ID : 9489113386  
Option 3 ID : 9489113388  
Option 4 ID : 9489113385

Status : Answered  
Chosen Option : 1



Q.72 The “Indradhanush” framework, an Indian government initiative, is for:

- Ans
- 1. resource mobilisation
  - 2. capacity building in Private Sector Banks
  - 3. revamping of Public Sector Banks
  - 4. revamping of Private Sector Banks

Question ID : 948911943  
Option 1 ID : 9489113772  
Option 2 ID : 9489113771  
Option 3 ID : 9489113769  
Option 4 ID : 9489113770  
Status : Not Answered  
Chosen Option : --

Q.73 If 'A' means '+', 'S' means '-', 'M' means '×', 'D' means '÷', 'B' means '(' and 'F' means ')', then solve the following expression:

B700A110S90FDB9M10S10F

- Ans
- 1. 9
  - 2. 7
  - 3. 10
  - 4. 90

Question ID : 9489111188  
Option 1 ID : 9489114749  
Option 2 ID : 9489114752  
Option 3 ID : 9489114751  
Option 4 ID : 9489114750  
Status : Answered  
Chosen Option : 1

Q.74 Lichen is an organism which monitors:

- Ans
- 1. water pollution
  - 2. gas pollution
  - 3. air pollution
  - 4. soil pollution

Question ID : 948911934  
Option 1 ID : 9489113733  
Option 2 ID : 9489113736  
Option 3 ID : 9489113734  
Option 4 ID : 9489113735  
Status : Answered  
Chosen Option : 3



**Q.75** By which of the following Amendments of the Constitution, Fundamental Duties of the citizens were added to the Constitution of India?

- Ans
- 1. 42<sup>nd</sup> Constitutional Amendment Act
  - 2. 35<sup>th</sup> Constitutional Amendment Act
  - 3. 44<sup>th</sup> Constitutional Amendment Act
  - 4. 36<sup>th</sup> Constitutional Amendment Act

Question ID : 948911928

Option 1 ID : 9489113711

Option 2 ID : 9489113709

Option 3 ID : 9489113712

Option 4 ID : 9489113710

Status : Answered

Chosen Option : 1

**Q.76** ABCD is a parallelogram. Side BC is produced to E such that BC = CE. Join AE which intersects side CD at P. The area of triangle ABE is:

- Ans
- 1. = to  $\frac{1}{3}$  of the area of parallelogram ABCD
  - 2. less than the area of parallelogram ABCD
  - 3. = to the area of parallelogram ABCD
  - 4. = to  $\frac{1}{2}$  of the area of parallelogram ABCD

Question ID : 948911869

Option 1 ID : 9489113475

Option 2 ID : 9489113476

Option 3 ID : 9489113473

Option 4 ID : 9489113474

Status : Not Answered

Chosen Option : --

**Q.77** An article was sold at a gain of 12%. Had it been sold for ₹33 more, the gain would have been 14%.

The cost price of the article is:

- Ans
- 1. ₹1800.00
  - 2. ₹1850.00
  - 3. ₹1750.00
  - 4. ₹1650.00

Question ID : 948911860

Option 1 ID : 9489113440

Option 2 ID : 9489113438

Option 3 ID : 9489113439

Option 4 ID : 9489113437

Status : Answered

Chosen Option : 4



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Q.78 The disease related with apple is known as:

- Ans
- 1. green ear disease
  - 2. red rust disease
  - 3. fire blight
  - 4. tikka disease

Question ID : 948911915  
Option 1 ID : 9489113660  
Option 2 ID : 9489113658  
Option 3 ID : 9489113659  
Option 4 ID : 9489113657  
Status : Not Answered  
Chosen Option : --

Q.79 What does NIU stand for in information technology?

- Ans
- 1. Network Interface Unit
  - 2. Networking Internal Unit
  - 3. National Information Usage
  - 4. Nominal Internal Unit

Question ID : 948911938  
Option 1 ID : 9489113750  
Option 2 ID : 9489113752  
Option 3 ID : 9489113751  
Option 4 ID : 9489113749  
Status : Not Answered  
Chosen Option : --

Q.80 Who received the Nobel Prize for Economic Sciences in 2020?

- Ans
- 1. Dennis Mukherjee
  - 2. George Smith
  - 3. James P. Allison
  - 4. Robert B. Wilson

Question ID : 948911906  
Option 1 ID : 9489113622  
Option 2 ID : 9489113621  
Option 3 ID : 9489113623  
Option 4 ID : 9489113624  
Status : Answered  
Chosen Option : 4





Q.81 If  $\sqrt{2} + \sqrt{x} = \sqrt{3}$ , then the value of x is equal to:

- Ans
- 1.  $-2\sqrt{6} - 5$
  - 2.  $2\sqrt{6} - 5$
  - 3.  $5 + 2\sqrt{6}$
  - 4.  $5 - 2\sqrt{6}$

Question ID : 948911846

Option 1 ID : 9489113384

Option 2 ID : 9489113383

Option 3 ID : 9489113382

Option 4 ID : 9489113381

Status : Answered

Chosen Option : 4

Q.82 India's 1<sup>st</sup> atomic power station was commissioned in:

- Ans
- 1. 1967
  - 2. 1969
  - 3. 1968
  - 4. 1966

Question ID : 948911932

Option 1 ID : 9489113727

Option 2 ID : 9489113725

Option 3 ID : 9489113726

Option 4 ID : 9489113728

Status : Not Answered

Chosen Option : --



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**Q.83** The following table shows the Air Quality Index (AQI) (PM2.5) for the four weeks of February 2018. What is the difference in the average of AQI in Kolkata and Delhi in the month of February?

Toxic Trend Air Quality Index		
Period	Kolkata	Delhi
February 1st-7th	306	248
February 8th-14th	288	246
February 15th-21st	274	246
February 22nd-28th	172	236

- Ans
- 1. 14
  - 2. 18
  - 3. 12
  - 4. 16

Question ID : 9489111190  
Option 1 ID : 9489114759  
Option 2 ID : 9489114760  
Option 3 ID : 9489114758  
Option 4 ID : 9489114757  
Status : Answered  
Chosen Option : 4

**Q.84** In an election, there were only two candidates. The winning candidate got 48% of the total votes. His opponent got 6800 votes which was 34% of the total votes. Some of the votes were invalid. The winning margin of the candidate who won the election and the number of invalid votes respectively are:

- Ans
- 1. 3200 votes, 3600 votes
  - 2. 2800 votes, 3600 votes
  - 3. 3600 votes, 2800 votes
  - 4. 3000 votes, 3600 votes

Question ID : 948911856  
Option 1 ID : 9489113422  
Option 2 ID : 9489113421  
Option 3 ID : 9489113423  
Option 4 ID : 9489113424  
Status : Answered  
Chosen Option : 2

**Q.85** A can complete a piece of work in 12 days. B is 20% less efficient than A. The number of days it will take for B to complete the work is:

- Ans**
- 1. 16 days
  - 2. 20 days
  - 3. 15 days
  - 4. 18 days

Question ID : 948911862  
Option 1 ID : 9489113448  
Option 2 ID : 9489113447  
Option 3 ID : 9489113446  
Option 4 ID : 9489113445  
Status : Answered  
Chosen Option : 3

**Q.86** In a certain code language, ACCESS is written as 13351919. How will EXCELLENCE be coded as in that language?

- Ans**
- 1. 53351414123435
  - 2. 52345121414335
  - 3. 524351414355
  - 4. 52435121251435

Question ID : 9489111177  
Option 1 ID : 9489114708  
Option 2 ID : 9489114707  
Option 3 ID : 9489114705  
Option 4 ID : 9489114706  
Status : Answered  
Chosen Option : 4

**Q.87** Shanti's daughter Chandini is married to Abhi. Anchal is married to Sandy, the grandson of Shanti. Abhi's grandson is Karan. Rashmi is the mother of Karan. Shaurya is Anchal's son. How is Shaurya related to Karan?

- Ans**
- 1. Son
  - 2. Brother
  - 3. Nephew
  - 4. Cousin

Question ID : 9489111178  
Option 1 ID : 9489114710  
Option 2 ID : 9489114711  
Option 3 ID : 9489114709  
Option 4 ID : 9489114712  
Status : Answered  
Chosen Option : 4



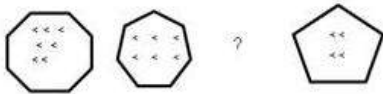
**Q.88** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

ZaF, YbE, XcD, WdC, VeB, ?

- Ans**
- 1. UcD
  - 2. UeA
  - 3. UaB
  - 4. UfA

Question ID : 9489111185  
Option 1 ID : 9489114737  
Option 2 ID : 9489114739  
Option 3 ID : 9489114738  
Option 4 ID : 9489114740  
Status : Answered  
Chosen Option : 4

**Q.89** Select the figure that can replace the question mark (?) in the following series.



**Ans**

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

Question ID : 9489111198  
Option 1 ID : 9489114789  
Option 2 ID : 9489114790  
Option 3 ID : 9489114791  
Option 4 ID : 9489114792  
Status : Answered  
Chosen Option : 3

Q.90 Which of the following conclusions can be derived from the given statement?

Students have to pay fine for late payment of exam fees.

- Ans
- 1. Students follow deadline only if penalised.
  - 2. All fees are to be paid timely, else they must pay penalty.
  - 3. Many students do not pay exam fee in time.
  - 4. Fines for late payment of exam fees is a large source of revenue.

Question ID : 9489111181  
Option 1 ID : 9489114722  
Option 2 ID : 9489114723  
Option 3 ID : 9489114721  
Option 4 ID : 9489114724  
Status : Answered  
Chosen Option : 2

Q.91 Select the option that is related to the third term in the same way as the second term is related to the first term.

Grasshopper : Insect :: Hyena : ?

- Ans
- 1. Mammal
  - 2. Reptile
  - 3. Amphibian
  - 4. Herbivore

Question ID : 9489111174  
Option 1 ID : 9489114696  
Option 2 ID : 9489114695  
Option 3 ID : 9489114694  
Option 4 ID : 9489114693  
Status : Answered  
Chosen Option : 1

Q.92 Out of the four sports listed, three are alike in some manner and one is different. Select the odd one.

Discus throw, Golf, Shot-put, Hammer throw

- Ans
- 1. Hammer throw
  - 2. Golf
  - 3. Shot-put
  - 4. Discus throw

Question ID : 9489111194  
Option 1 ID : 9489114776  
Option 2 ID : 9489114775  
Option 3 ID : 9489114774  
Option 4 ID : 9489114773  
Status : Answered  
Chosen Option : 2



Q.93 Which of the given options best classifies the following items:

Spear, Catapult, Pistol, Rifle

- Ans
- 1. Cannon
  - 2. Battle
  - 3. Weapons
  - 4. Guns

Question ID : 9489111195

Option 1 ID : 9489114779

Option 2 ID : 9489114780

Option 3 ID : 9489114778

Option 4 ID : 9489114777

Status : Answered

Chosen Option : 3

Q.94 There are four friends Sharayu, Pinky, Tanisha and Mamta. Two study in J college, one each in X college and A college.

Each one is definitely good at one subject and one is good at all the subjects. The subjects are English, Science, Maths and Computers. Of those studying in J college, one is good at Maths and the other in all subjects. Tanisha is studying in A college. Pinky is good at Maths. Sharayu is not good at Science.

Find who is good at all the subjects.

- Ans
- 1. Pinky
  - 2. Tanisha
  - 3. Sharayu
  - 4. Mamta

Question ID : 9489111200

Option 1 ID : 9489114798

Option 2 ID : 9489114799

Option 3 ID : 9489114797

Option 4 ID : 9489114800

Status : Answered

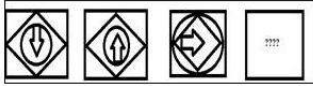
Chosen Option : 4



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**Q.95** Select the figure from among the given options that when placed in the blank block with question marks (?) will complete the pattern.



Ans

1.



2.



3.



4.



Question ID : 9489111196  
Option 1 ID : 9489114783  
Option 2 ID : 9489114784  
Option 3 ID : 9489114782  
Option 4 ID : 9489114781  
Status : Answered  
Chosen Option : 2

**Q.96** Select the number from among the given options that can replace the question mark (?) in the following series.

8, 18, 32, 50, ?

1. 72

2. 70

3. 62

4. 68

Question ID : 9489111186  
Option 1 ID : 9489114742  
Option 2 ID : 9489114744  
Option 3 ID : 9489114741  
Option 4 ID : 9489114743  
Status : Answered  
Chosen Option : 1



**Q.97** Select the number from among the given options that can replace the question mark (?) in the following series.

19, 29, 59, 79, ?

- Ans**
- 1. 99
  - 2. 89
  - 3. 119
  - 4. 109

Question ID : 9489111187

Option 1 ID : 9489114746

Option 2 ID : 9489114747

Option 3 ID : 9489114748

Option 4 ID : 9489114745

Status : Not Answered

Chosen Option : --

**Q.98** Which of the following conclusions can be derived from the given statement?

For applying for the post of lecturer, passing NET is mandatory.

- Ans**
- 1. NET helps to make people better teachers.
  - 2. NET is a desirable qualification for college teaching.
  - 3. Only those who pass NET qualify for college teaching.
  - 4. NET gives one an advantage in teaching.

Question ID : 9489111182

Option 1 ID : 9489114725

Option 2 ID : 9489114727

Option 3 ID : 9489114726

Option 4 ID : 9489114728

Status : Answered

Chosen Option : 3



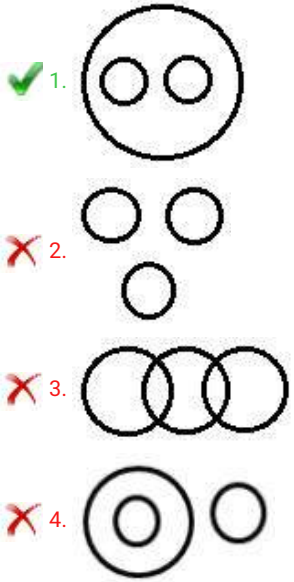
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Q.99 Select the Venn diagram that best represents the relationship between the following classes.

Communication, Telephone, Letter

Ans



Question ID : 9489111197  
 Option 1 ID : 9489114788  
 Option 2 ID : 9489114786  
 Option 3 ID : 9489114787  
 Option 4 ID : 9489114785  
 Status : Answered  
 Chosen Option : 1

Q.100 The table below gives the number of students passing an exam in a particular town.

Year	Girls	Boys
2016	128734	115526
2017	130567	124313
2018	129209	122131

Find the approximate average pass percentage in all three years, if the number of students appearing for the exam in any given year is 354000.

- Ans
- 1. 74%
  - 2. 68%
  - 3. 71%
  - 4. 73%

Question ID : 9489111191  
 Option 1 ID : 9489114761  
 Option 2 ID : 9489114764  
 Option 3 ID : 9489114763  
 Option 4 ID : 9489114762  
 Status : Answered  
 Chosen Option : 3

QF