

# भारतीय विमानपत्तन प्राधिकरण

(मिनी रत्न - श्रेणी - 1 सार्वजनिक क्षेत्र का उद्दम)

# **AIRPORTS AUTHORITY OF INDIA**

(Schedule - 'A' Mini Ratna - Category - 1 Public Sector Enterprise)

Participant ID	
Participant Name	
Test Center Name	
Test Date	25/03/2021
Test Time	4:00 PM - 6:00 PM
Subject	Jr. Executive (ATC)

Section: General Knowledge

Q.1 Which of the following is a non-metal required by the human body?

۸no

X A. Zind

X B. Iron

C. Iodine

X D. Gold

Question ID: 9767557961

Status : Answered

Chosen Option: 3

Q.2 Which Indian author penned 'Godaan' ('The Gift of Cow')?

Δns

X A. Ramdhari Singh Dinkar

X B. Vishnu Prabhakar

C. Munshi Premchand

X D. Mahadevi Verma

Question ID: 9767557959

Status: Answered

Chosen Option : 3

Q.3 In whose honour has 29th August been designated as India's National Sports day?

Ans

X A. Mithali Raj

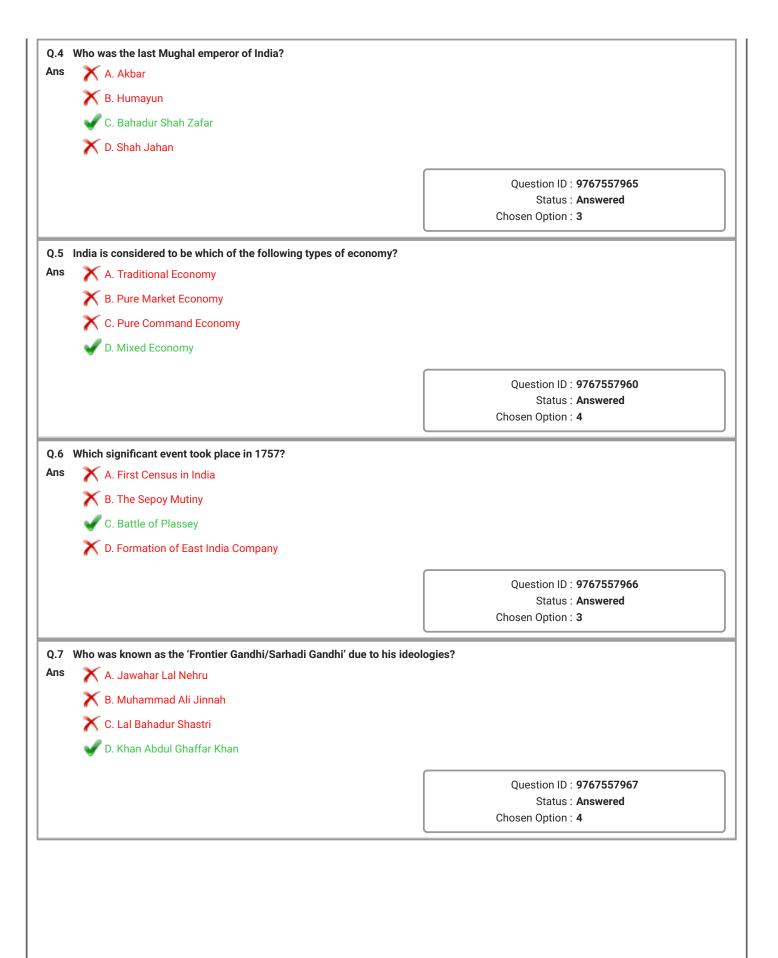
X B. Sachin Tendulkar

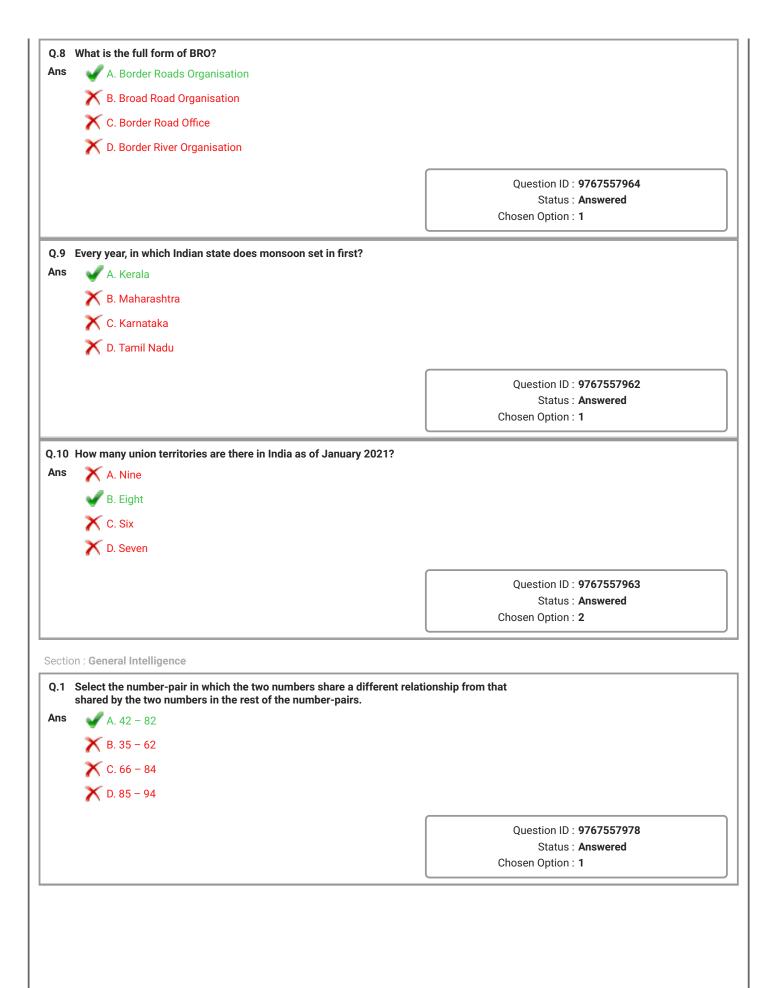
C. Major Dhyan Chand

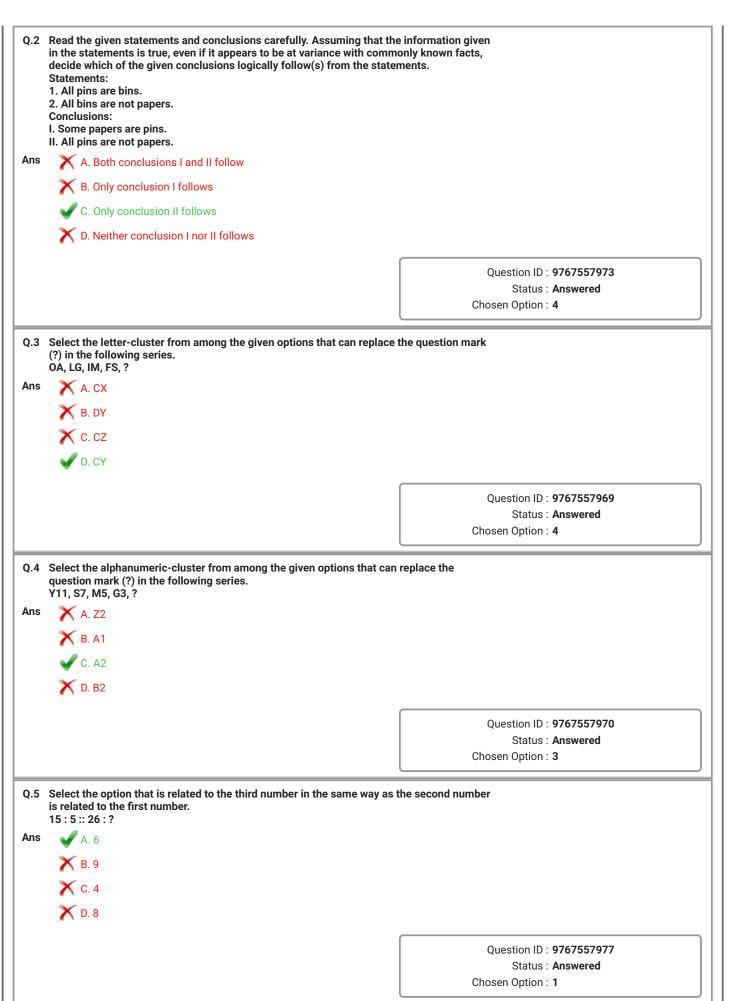
X D. Milkha Singh

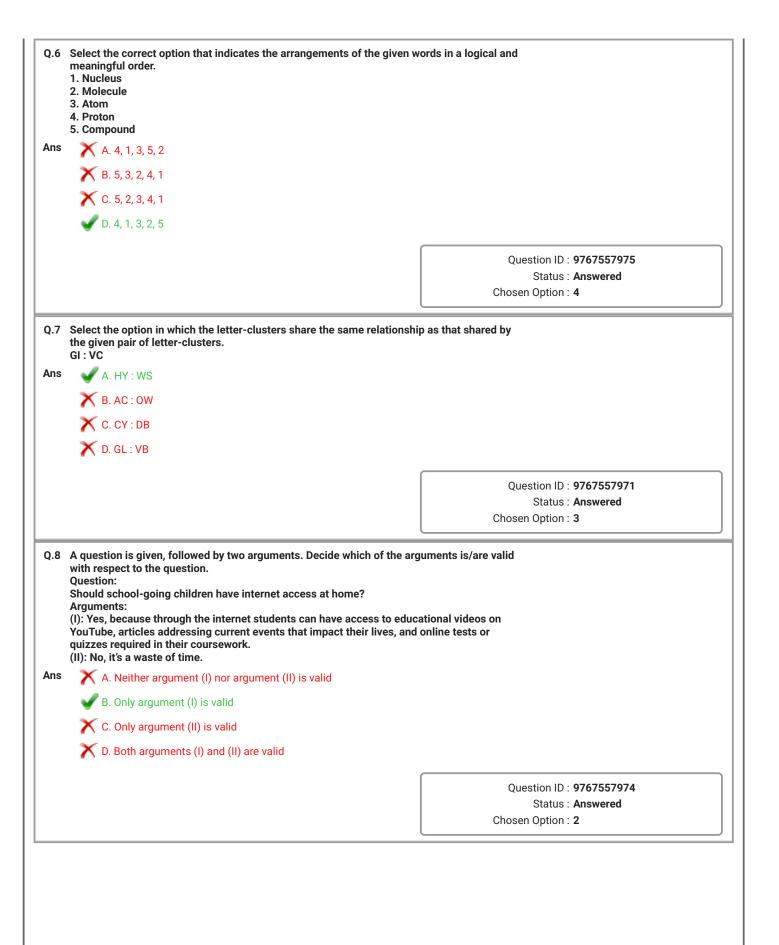
Question ID: 9767557968

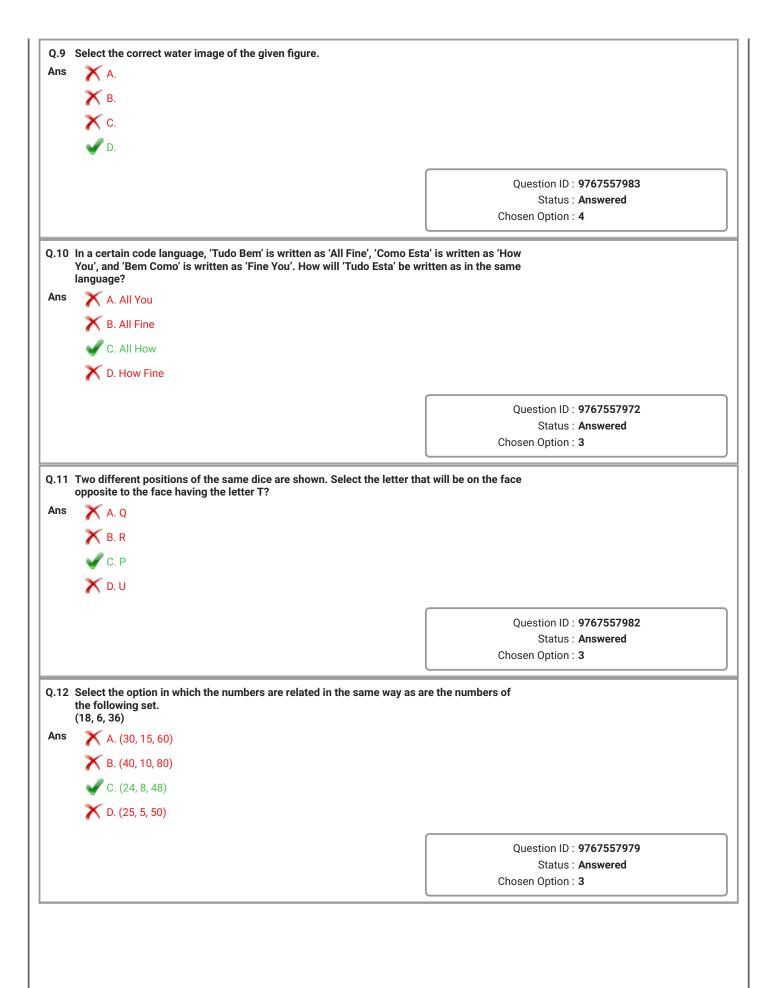
Status : Answered





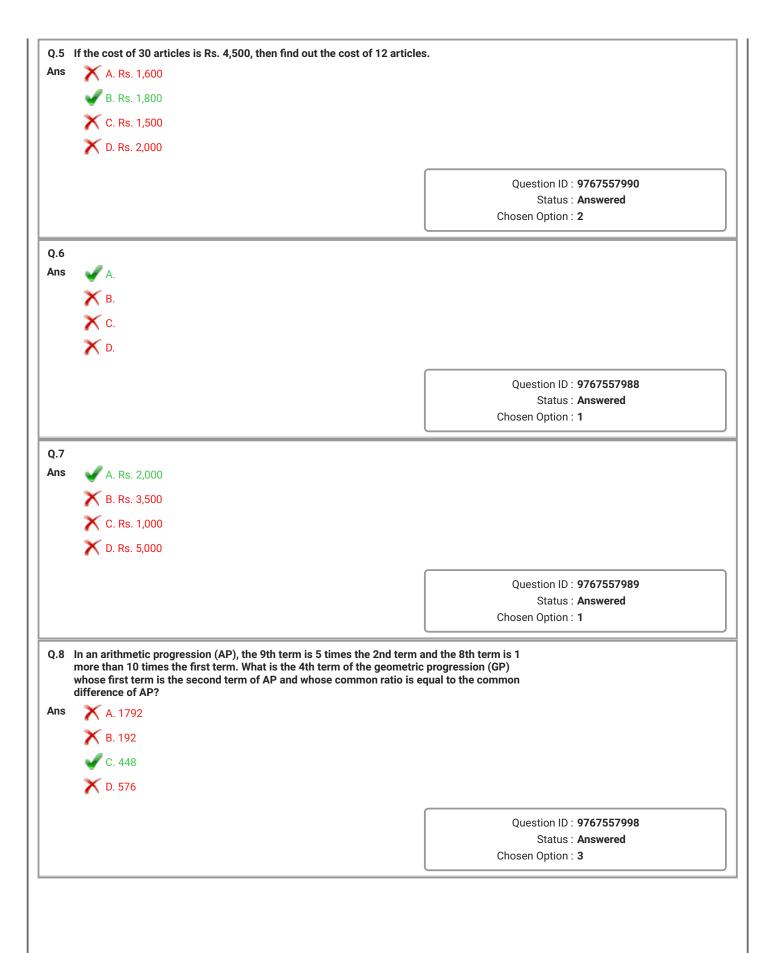


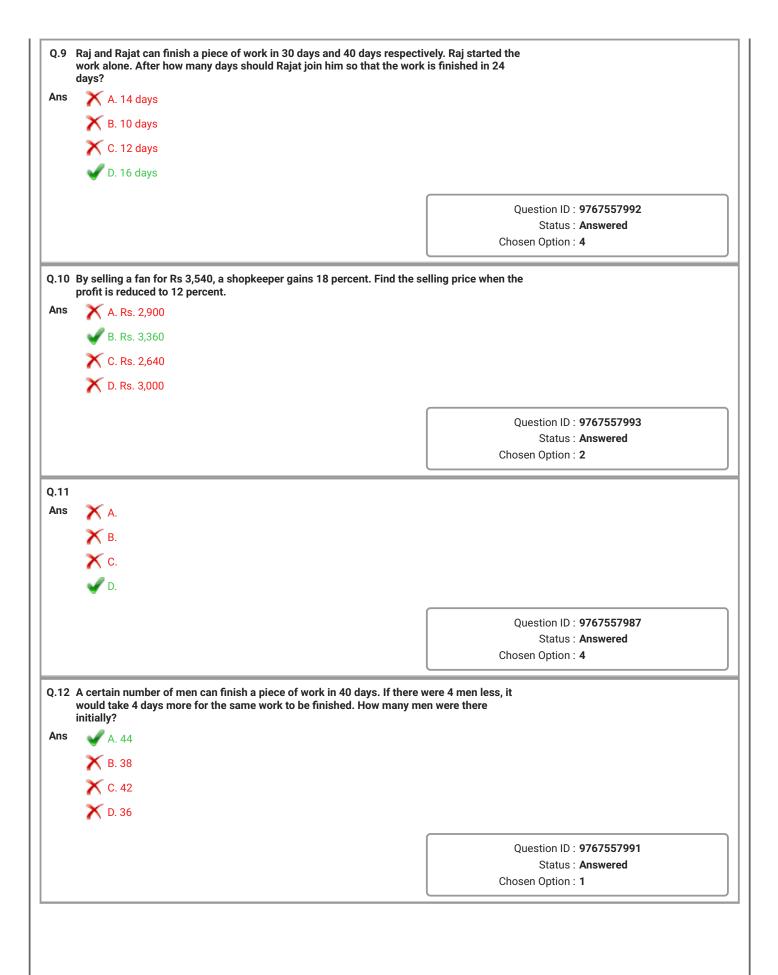




Q.13	.13 Select the option that is related to the third figure in the same way as the second figure is related to the first figure.	
Ans	<b>~</b> .	
Alis	A.	
	<b>★</b> c	
	<ul><li>★ A.</li><li>★ B.</li><li>★ C.</li><li>★ D.</li></ul>	
		Question ID : <b>9767557981</b>
		Status : <b>Answered</b> Chosen Option : <b>4</b>
Q.14	Select the number from among the given options that can replace the quantity the following series. 100, 120, 145, 180, 235, ?	estion mark (?) in
Ans	X A. 325	
	X B. 335	
	X C. 315	
	✓ D. 330	
		Question ID : <b>9767557976</b>
		Status : <b>Answered</b> Chosen Option : <b>4</b>
Q.15	Select the figure from among the given options that can replace the que following series.	stion mark (?) in the
Ans	<b>※</b> A.	
	<b>X</b> B.	
	<ul><li>X B.</li><li>X C.</li><li>✓ D.</li></ul>	
	<b>▼</b> D.	
		Question ID : <b>9767557980</b>
		Status : <b>Answered</b> Chosen Option : <b>4</b>
		·
Section	on : General Aptitude	

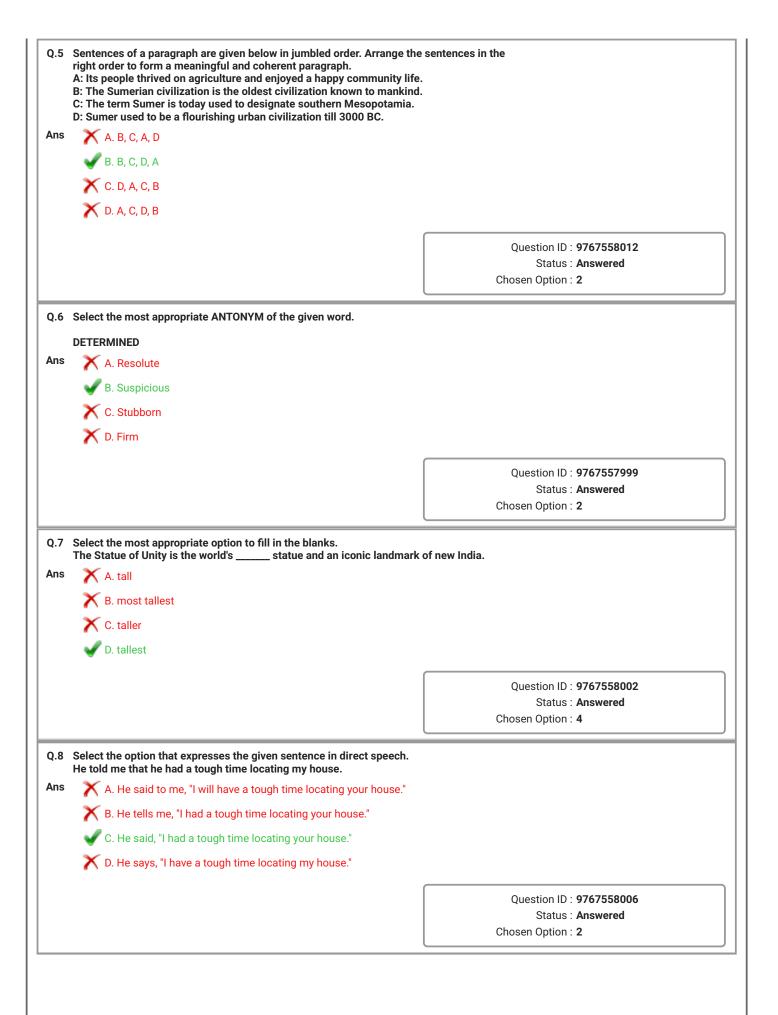
Q.1	The average rate of three stationery items A, B and C is Rs. 80. If the average price of A and B is Rs. 77.5 and that of B and C Rs. 87.5, then the price of B is:		
Ans	✓ A. Rs. 90		
	X B. Rs.65		
	X C. Rs. 85		
	D. Rs. 75		
		Question ID : 9767557994 Status : Answered	
		Chosen Option : 1	
0.2	Aman purchased 4 pens, 5 pencils and 8 scales for Rs. 120. Had A	Aman nurchased 7 nens 8	
	pencils and 11 scales, he would have to pay Rs. 192. Pankaj demand 2 scales. If Aman purchased only what was demanded by Parhe have paid?	anded 2 pens, 2 pencils	
Ans	X A. Rs. 32		
	<b>✓</b> B. Rs. 48		
	<b>X</b> C. Rs. 38		
	X D. Rs. 42		
	•		
		Question ID : 9767557997	
		Status : <b>Answered</b> Chosen Option : <b>2</b>	
Q.3			
Q.S Ans	<b>✓</b> A.		
	<b>★</b> B.		
	<b>X</b> c.		
	<b>X</b> D.		
	<b>7</b> 5.		
		Question ID : <b>9767557985</b>	
		Status : <b>Answered</b> Chosen Option : 1	
		Chosen Option . 1	
Q.4	The outer and inner radius of a hemispherical bowl are 40 cm and the total surface area of the bowl.	35 cm respectively. Find	
Ans	🗙 Α. 6125 π		
	Χ Β. 5055 π		
	<b>√</b> C. 6025 π		
	Χ D. 5255 π		
	•		
		Question ID : 9767557996	
		Status : <b>Answered</b> Chosen Option : <b>3</b>	
		l Guosen Option . 3	





Q.13	Q.13 There is 30 percent increase in an amount in 3 years at x percent rate of simple interest.  Find the compound interest on Rs. 30,000 after 4 years at the same rate.	
Ans	Ans X A. Rs. 9,930	
	X B. Rs. 13,293	
	C. Rs. 11,980	
	✓ D. Rs. 13,923	
		Question ID : 9767557995
		Status : <b>Answered</b>
		Chosen Option : 4
Q.14	What is the product of the smallest 8 whole numbers?	
Ans	X A. 40320	
	X B. 5040	
	<b>X</b> c. 1	
	<b>✓</b> D. 0	
		Ouestion ID : 9767557984
		Status : Answered
		Chosen Option : 4
Q.15		
Ans	<b>X</b> A.	
	<b>X</b> B.	
	<b>★</b> c.	
	<b>✓</b> D.	
		Outpetion ID + 0767FF7006
		Question ID : 9767557986 Status : Answered
		Chosen Option : 4
Section	on : <b>General English</b>	
Q.1	Select the most appropriate option to fill in the blanks.  There was a time when Hyderabad was the only city badmin we can see a huge talent pan India.	ton players, but now
Ans	X A. to produce; cropping in	
	X B. produce; crop up	
	C. producing; cropping up	
	X D. produced; cropping from	
		Ougation ID : 0767EE9994
		Question ID : 9767558001 Status : Answered
		Chosen Option : 3

Q.2	Select the most appropriate ANTONYM of the given word. GREGARIOUS	
Ans	X A. Sociable	
	B. Reserved	
	C. Affable	
	🔀 D. Talkative	
		a :: 12 27477777
		Question ID : 9767558000 Status : Answered
		Chosen Option : 2
Q.3	The following sentence has been divided into parts. One of them may consider the part that contains the error from the given options.  Dr. Trehan says / he felt an overwhelming sense of helplessness / when many of his patients / die of heart disease.	
Ans	X A. Dr.Trehan says	
	B. when he is watching much of his patients	
	C. he felt an overwhelming sense of helplessness	
	X D. die of heart disease	
		Question ID : 9767558004
		Status : <b>Answered</b> Chosen Option : <b>2</b>
		·
Q.4	Sentences of a paragraph are given below. While the first and the last secorrect order, the sentences in between are jumbled up. Arrange the sent D in the correct order to form a meaningful and coherent paragraph. S 1: Oceans cover three-quarters of the Earth's surface. S 2:	tion's Sustainable where the ped fully.
	U. U, D, C, A	
		Question ID : <b>9767558011</b>
		Status: Answered
		Chosen Option : 4



Q.9 Select the most appropriate option that can substitute the underlined words in the given sentence.

The <u>art of growing plants in water without using soil</u> is getting popular worldwide as it can be highly productive, profitable and in less space without any soil.

Ans







X D. hydrophonically

Question ID: 9767558014 Status: Answered Chosen Option: 3

# Q.10 Select the option that is NOT expressed in active voice.

Δns

X A. Aruna and her friends were planning to spend a weekend in Goa.

B. Aruna and her friends started enquiring from other hotels if they had rooms available for that weekend.

X C. She called the Manager of Sunshine Resort to book two rooms overlooking the sea.

D. She was informed by the Manager that there were no rooms available for that weekend.

Question ID: 9767558010 Status: Answered Chosen Option: 4

Q.11 Select the option that expresses the given sentence in reported speech.

Addressing the nation the President said "There are some days when we

Addressing the nation, the President said, "There are some days when we need a hand. There are other days when we are called to lend a hand. That's how we help each other and move on."

Ans

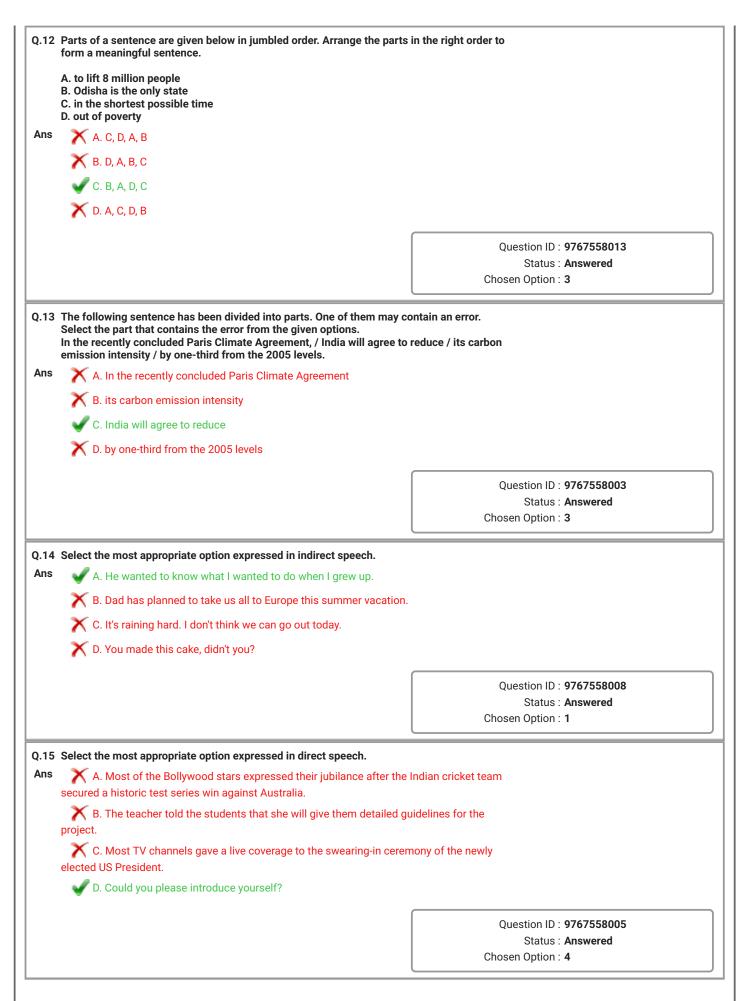
A. Addressing the nation, the President warned the people that there are some days when they will need a hand and there are other days when they will be called to lend their hand. He counselled them that this is how people help each other and move on.

B. Addressing the nation, the President said that there are some days when we need a hand and there are other days when we are called to lend a hand. He added that that is how we help each other and move on.

C. Addressing the nation, the President says to his countrymen there were some days when we needed a hand. There were other days when we were called to lend a hand. He further said that that's how we helped each other and moved on.

D. Talking to his countrymen, the President commented that there are some days when we need a hand and there are other days when we are called to lend a hand. He added that that is how help each other and move on.

Question ID: 9767558007 Status: Answered Chosen Option: 2



# Q.16 The following sentences describe the process of baking a cake in a microwave. Identify the step which is NOT expressed in passive voice.

Ans

A. Place the mixture in the microwave oven for a few minutes till the cake is bouncy.

X B. The cooking time may have to be adjusted to suit the type of machine you have.

X C. This mixture is then transferred into a pre- greased baking dish.

D. To make a cake some butter, sugar, eggs, milk and flour is taken in a mixing bowl and blended till soft and creamy.

Question ID: 9767558009 Status: Answered Chosen Option: 4

# Comprehension:

Read the given passage and answer the following questions.

It's hard to imagine urban India without its metro trains, the giant aluminium snakes sliding above and below the grounds of bustling metropolises, carrying in its bellies India's teeming millions. Delhi has the largest network, 389 kilometres and 285 stations. Mumbai, which will build 235 km by 2025, is close on its heels. Ten other Indian cities have metros, 15 more have it in various stages of completion. And it's clear why. An Indian city feels it has arrived only when it has a metro rail, the fastest, most economical and non-polluting mass rapid transport solution. Most of the credit for this urban engineering marvel being replicated across India goes to one engineer, E Sreedharan, popularly known as 'Metro Man'.

Sreedharan's first brush with fame was repairing the Pamban bridge in 1963, parts of which had been washed away in a cyclone. The railways estimated it would take six months to repair the sole link between mainland India and Rameshwaram. Sreedharan did it in just 46 days. A legend was born. But significant as it was, even this wasn't a turning point in his life. "I had a very ordinary, uneventful career in the Indian Railways from December 1954 to June 1990. No doubt, restoration of the Pamban bridge gave me an excellent opportunity to demonstrate my technical and organisational competence. But it wasn't a turning point in my career". What was it then? Sreedharan says it was a stirring article in Reader's Digest, which highlighted the need for 'out-of-the-box' thinking when faced with a major challenge. He was

highlighted the need for 'out-of-the-box' thinking when faced with a major challenge. He was then Member (Engineering) on the Railway Board in 1990. It so happened that the senior railway engineer, in what seemed like the last phase of his career, was facing what appeared to be an insurmountable challenge. Railways minister George Fernandes had mentioned his dream project, a Mumbai to Mangalore railway line that would complete India's last great missing rail link.

Based on your reading of the passage answer the following questions by choosing the best option.

SubQuestion No: 17

# Q.17 A turning point in one's life is a:

Ans

A. moment of celebration when one gets recognition

X B. developmental stage in one's life

X C. time when luck knocks at one's door

D. a time at which a decisive change in a situation occurs

Question ID: 9767558017 Status: Answered

#### Comprehension:

Read the given passage and answer the following questions.

It's hard to imagine urban India without its metro trains, the giant aluminium snakes sliding above and below the grounds of bustling metropolises, carrying in its bellies India's teeming millions. Delhi has the largest network, 389 kilometres and 285 stations. Mumbai, which will build 235 km by 2025, is close on its heels. Ten other Indian cities have metros, 15 more have it in various stages of completion. And it's clear why. An Indian city feels it has arrived only when it has a metro rail, the fastest, most economical and non-polluting mass rapid transport solution. Most of the credit for this urban engineering marvel being replicated across India goes to one engineer, E Sreedharan, popularly known as 'Metro Man'.

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Based on your reading of the passage answer the following questions by choosing the best option.

SubQuestion No: 18

Q.18 As per Sreedharan, he had an uneventful life in Indian Railways from \_\_\_\_\_\_ to

Ans

X A. December 1955; June 1990

X B. June 1954; December 1990

X C. June 1990; December 1954

**To D. December 1954; June 1990** 

Question ID: 9767558016 Status: Answered

#### Comprehension:

Read the given passage and answer the following questions.

It's hard to imagine urban India without its metro trains, the giant aluminium snakes sliding above and below the grounds of bustling metropolises, carrying in its bellies India's teeming millions. Delhi has the largest network, 389 kilometres and 285 stations. Mumbai, which will build 235 km by 2025, is close on its heels. Ten other Indian cities have metros, 15 more have it in various stages of completion. And it's clear why. An Indian city feels it has arrived only when it has a metro rail, the fastest, most economical and non-polluting mass rapid transport solution. Most of the credit for this urban engineering marvel being replicated across India goes to one engineer, E Sreedharan, popularly known as 'Metro Man'.

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Based on your reading of the passage answer the following questions by choosing the best option.

SubQuestion No: 19

# Q.19 The greatest learning from Sreedharan's life would be:

Ans

A. to work hard to make a name for himself



X C. perfection and excellence should be one's hallmark

X D. to complete all projects in time

Question ID : 9767558018 Status : Answered

### Comprehension:

Read the given passage and answer the following questions.

It's hard to imagine urban India without its metro trains, the giant aluminium snakes sliding above and below the grounds of bustling metropolises, carrying in its bellies India's teeming millions. Delhi has the largest network, 389 kilometres and 285 stations. Mumbai, which will build 235 km by 2025, is close on its heels. Ten other Indian cities have metros, 15 more have it in various stages of completion. And it's clear why. An Indian city feels it has arrived only when it has a metro rail, the fastest, most economical and non-polluting mass rapid transport solution. Most of the credit for this urban engineering marvel being replicated across India goes to one engineer, E Sreedharan, popularly known as 'Metro Man'.

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Based on your reading of the passage answer the following questions by choosing the best option.

#### SubQuestion No: 20

Q.20 Sreedharan became famous as the Metro Man of India after:

X A. the replication of Delhi metro model in other cities of India

B. the restoration of the damaged Pamban bridge in record time

C. the construction of the Metro railway network in Delhi.

X D. the completion of the Mumbai Mangalore railway line

Question ID: 9767558019 Status: Answered

Chosen Option: 3

Section: Domain Questions

Q.1 Determine the probability that when a hand of 7 cards is drawn from a box of 52 cards, it consists atleast 3 kings?

Ans

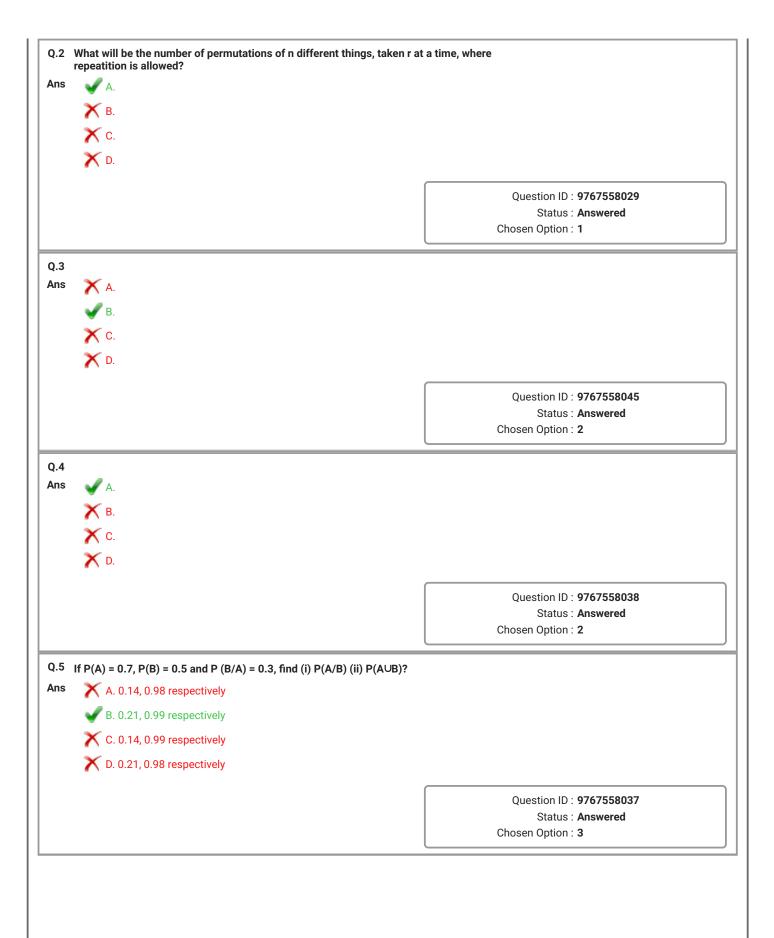


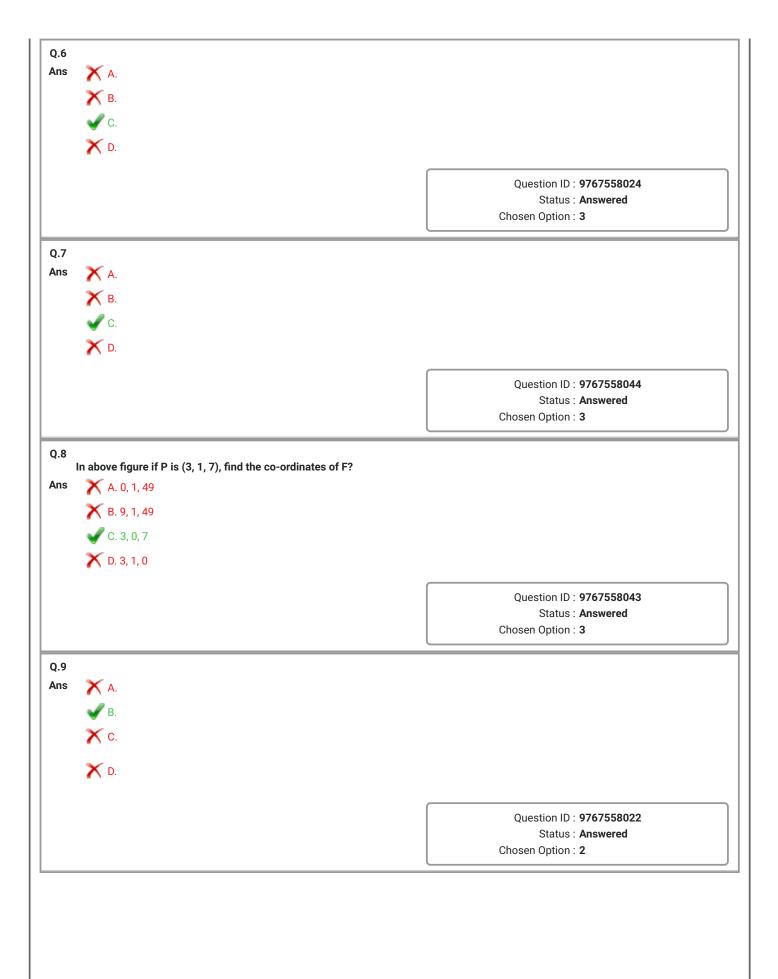




Question ID: 9767558033

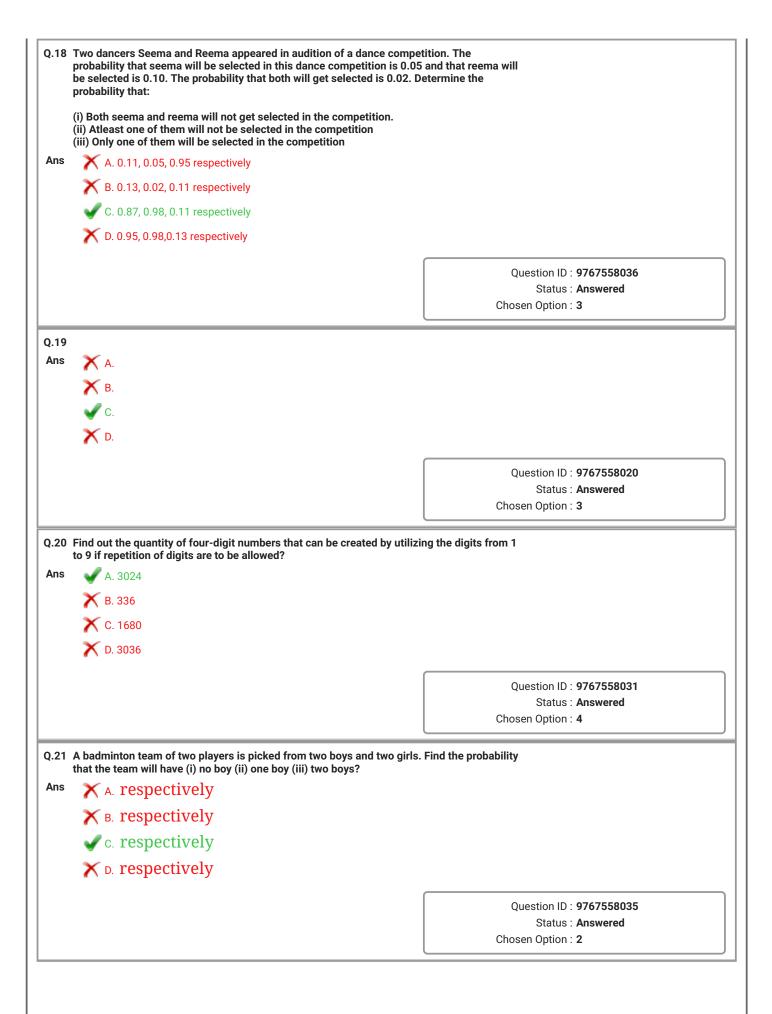
Status: Marked For Review

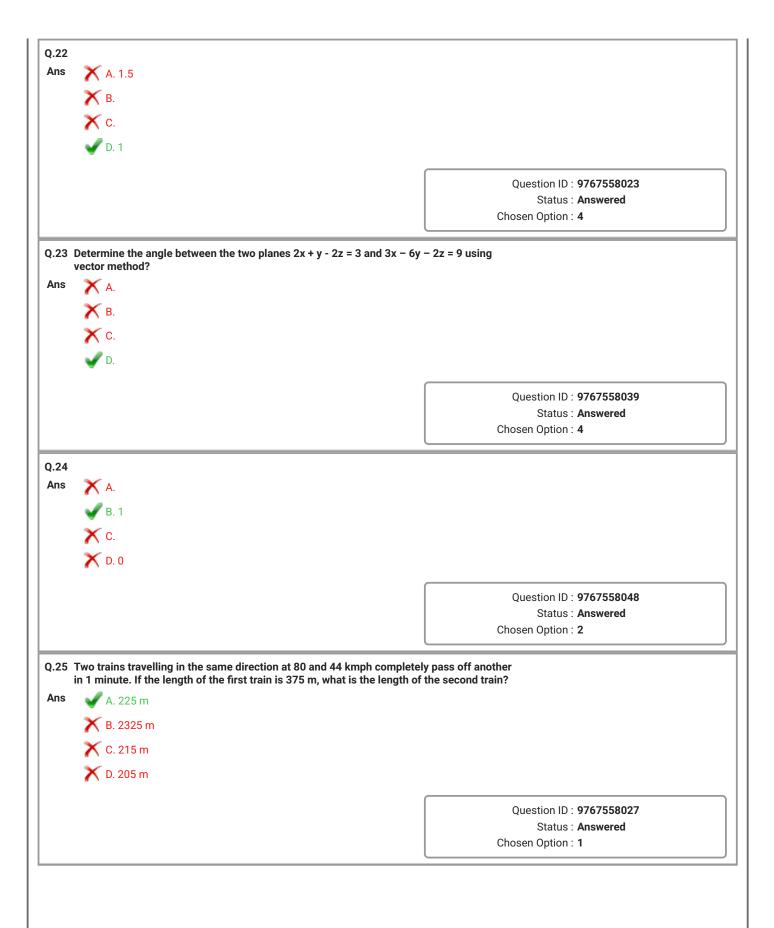




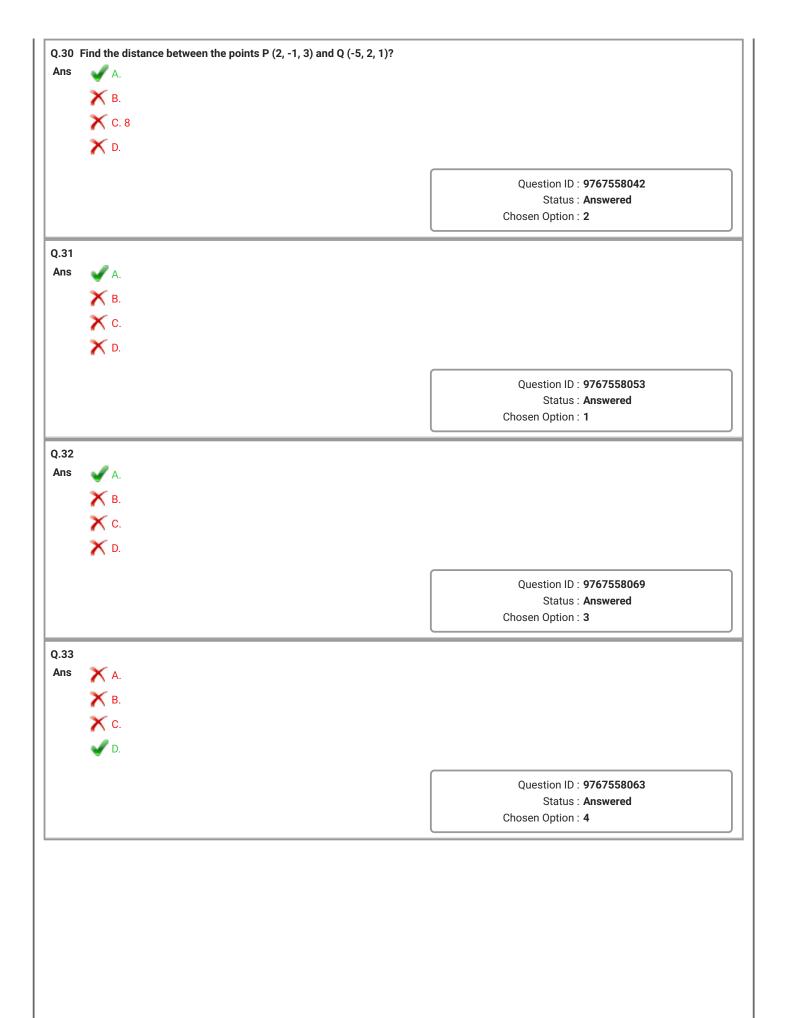
ns	(5, 1, 6) crosses the XY- plane?	
ıs	<b>X</b> A.	
	<b>★</b> B.	
	<b>★</b> c.	
	<b>✓</b> D.	
		Question ID : 9767558041
		Status : <b>Answered</b> Chosen Option : <b>2</b>
		Choch option: 2
11		
ıs	<b>X</b> A.	
	B. Both vectors have different magnitudes but same direction	
	<b>★</b> c.	
	D. Elements of both vectors are not proportional	
	D. Elements of both vectors are not proportional	
		Question ID: 9767558021
		Status : <b>Answered</b>
		Chosen Option : 4
	<ul><li>✓ B. 9.42</li><li>✓ C. 6.28</li></ul>	
	X D. 12.56	
		Question ID: 9767558049
		Status : <b>Answered</b>
		Chosen Option : 2
13	Find the quantity of methods of picking 4 cards from a set of 52 playing are of the same unit?	cards if four cards
ıs	X A. 715	
	X B. 11440	
	✓ C. 2860	
	X D. 5720	
		Question ID: 9767558028
		Status: Answered
		Chosen Option : 1

Q.14		
Ans	X A. COS 2x COSx	
	<b>X</b> B. sinx	
	✓ c. sin 3x	
	<b>X</b> D. 2sin 3x	
		Question ID : 9767558047
		Status : <b>Answered</b>
		Chosen Option : 3
Q.15	A train, which is moving at the rate of 60 miles per hour, is brought to rea uniform retardation, find this retardation, and also the distance that the before coming to rest?  A.	
	<b>✓</b> B.	
	<b>★</b> c.	
	X D.	
		Question ID : 9767558025
		Status : <b>Answered</b>
		Chosen Option : 2
Q.16	A stone is thrown vertically with the velocity which would just carry it to Two seconds later another stone is projected vertically from the same p velocity, find when and where will they meet?  A.  B.  C.  D.	
		Question ID : 9767558026
		Status : Answered
		Chosen Option : 2
Q.17 Ans	One summer peter visits 4 villages (A, B, C and D) in a random order. Fin that he visits (i) A before B (ii) A before B and B before C respectively?  A.  B.  C.	d the probability
	<b>X</b> D.	
		Question ID : 9767558034 Status : Answered Chosen Option : 4



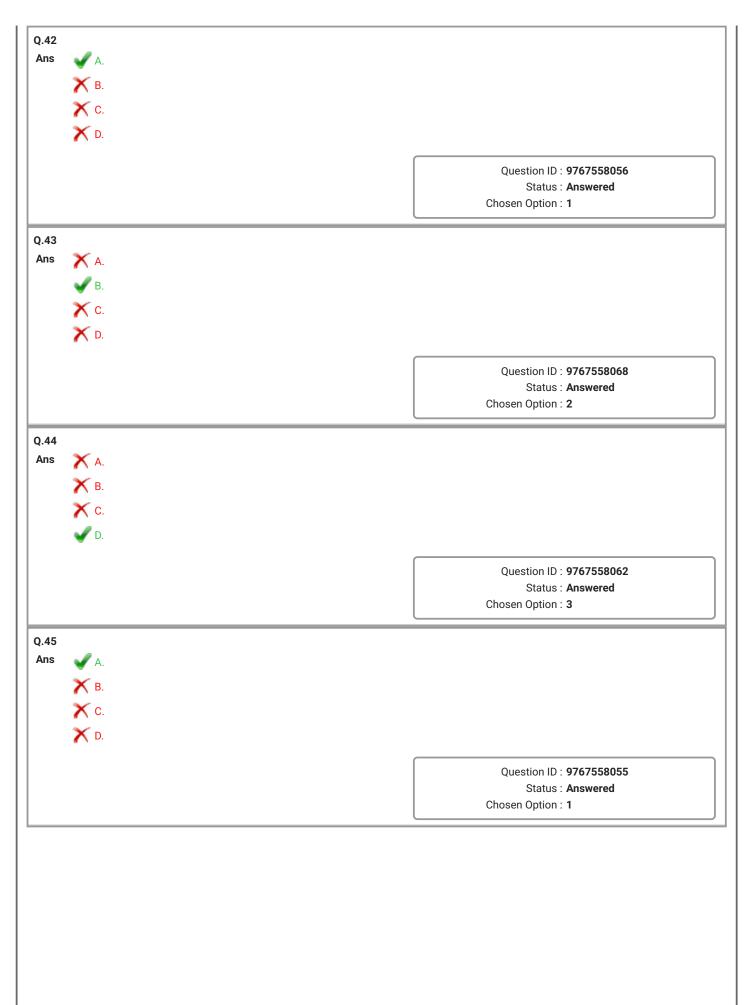


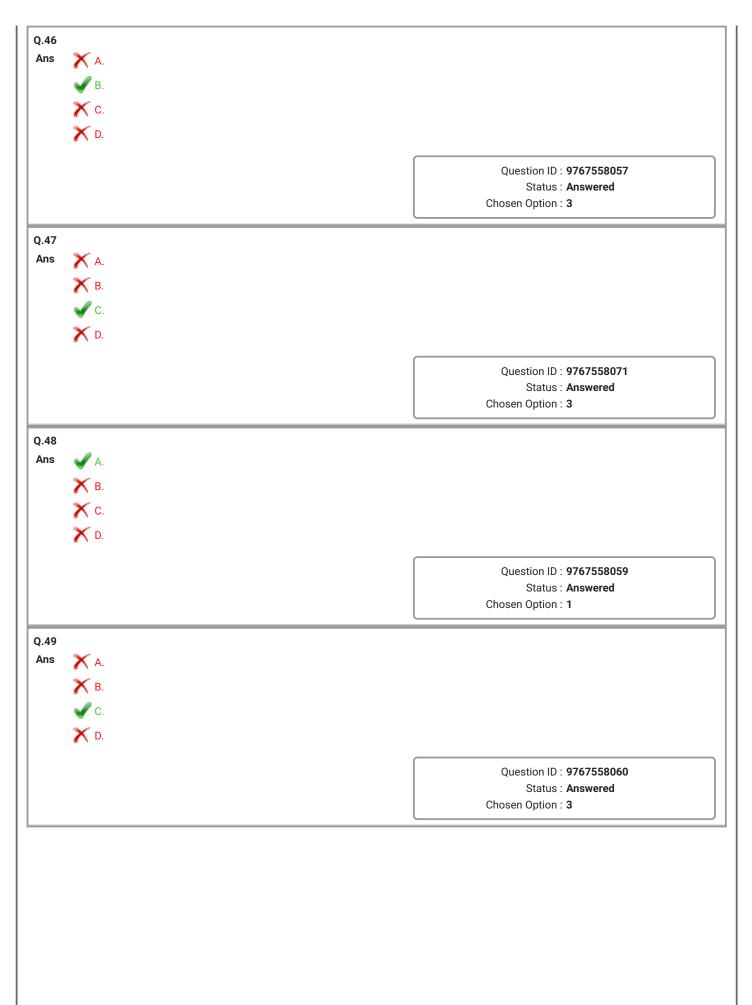
	2.26 Which of the following is TRUE for "complementary event or 'not event'"?		
Ans A. The set A-B  B.			
	<b>X</b> D.		
		Ougstion ID : 0767EE9022	
		Question ID : 9767558032 Status : Answered	
		Chosen Option : 3	
2.27			
Ans	🗙 A. Secx		
	X B. cotx		
	× c. cscx		
	✓ D. tanx		
		Question ID : 9767558046 Status : Answered	
		Chosen Option : 4	
	Which of the following is NOT a known factor to uniquely deter	mine a plane?	
Ans Ans An The equation of a plane lying in extraordinary form			
	B. It passes through three given non collinear points		
	C. The normal to the plane and its distance from the origin is given		
	X D. It passes through a point and is perpendicular to a give	en direction.	
		Question ID : 9767558040	
		Status : Answered	
		Chosen Option : 3	
	Find the quantity of arrangements of the letters of the word INI always occur together?	DEPENDENCE if all the vowels	
Ans	✓ A. 16800		
	X B. 16400		
	X C. 12600		
	X D. 138600		
		Outpotion ID : 0767FF0020	
		Question ID : 9767558030 Status : Answered	



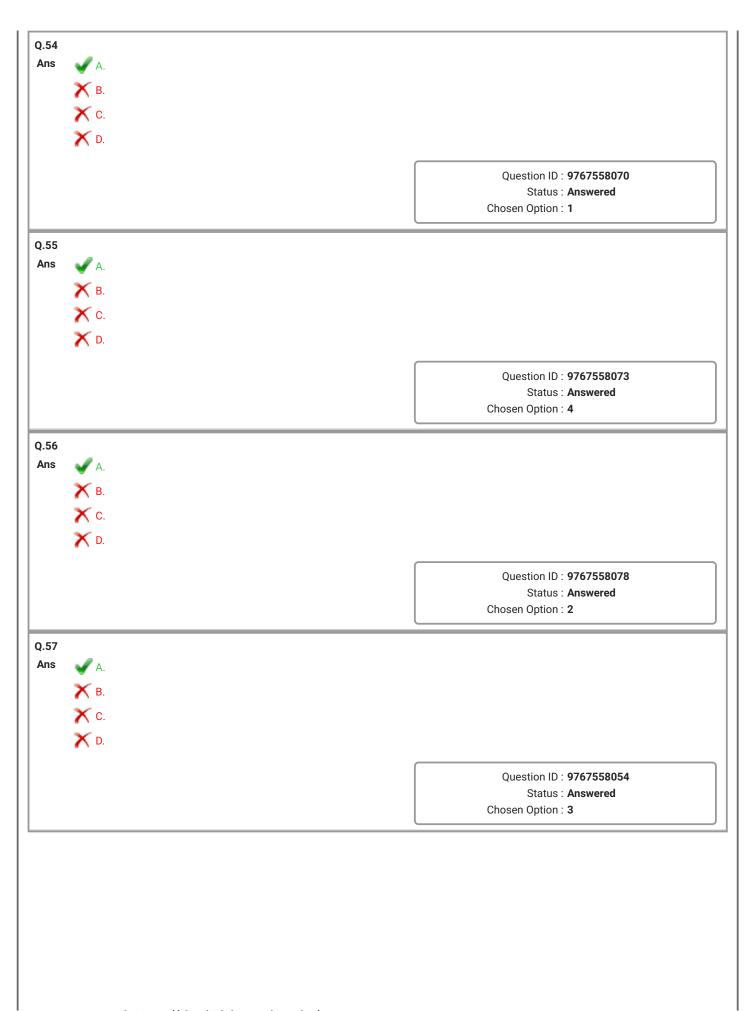
	A stream of water flowing horizontally with a speed of 20 m/s pushes out of a tube of cross-sectional area 10 <sup>-1</sup> m <sup>2</sup> and hits at a vertical wall nearby. Find the force exerted on the wall by the impact of water, assuming that it does not rebound?  A.  B.	
	<ul><li>★ C.</li><li>★ D.</li></ul>	
		Question ID : 9767558061 Status : Answered Chosen Option : 3
Q.35 Ans	<ul> <li>✗ A.</li> <li>✓ B.</li> <li>✗ C.</li> <li>✗ D.</li> </ul>	
		Question ID : 9767558077 Status : Answered Chosen Option : 2
Q.36 Ans	<ul> <li>★ A.</li> <li>★ B.</li> <li>★ C.</li> <li>✔ D.</li> </ul>	
		Question ID : 9767558072 Status : Answered Chosen Option : 4
Q.37 Ans	<ul> <li>X A.</li> <li>✓ B.</li> <li>X C.</li> <li>X D.</li> </ul>	
		Question ID : 9767558067 Status : Answered Chosen Option : 3

Q.38		
	24	
Ans	<b>X</b> A.	
	<b>✓</b> B.	
	<b>★</b> c.	
	<ul><li>✓ B.</li><li>X C.</li><li>X D.</li></ul>	
		Question ID : 9767558052 Status : Answered
		Chosen Option : 2
Q.39		
Ans	<b>X</b> A.	
	<b>★</b> B.	
	<ul><li>➤ B.</li><li>✓ C.</li><li>➤ D.</li></ul>	
	<b>X</b> D.	
		Question ID : <b>9767558076</b> Status : <b>Answered</b>
		Chosen Option: 3
Q.40		
Ans	<b>X</b> A.	
	<b>★</b> B.	
	<ul><li>➤ B.</li><li>✓ C.</li></ul>	
	<b>X</b> D.	
		Question ID : 9767558050
		Status : <b>Answered</b> Chosen Option : <b>2</b>
		·
Q.41	A galvanometer coil has a resistance of 14 $\Omega$ and the metre shows full current of 4 mA. How will you convert the metre into a voltmeter of rar	scale deflection for a
Ans	A.	ge o to 10 v:
	<b>★</b> B. <b>★</b> C.	
	<b>✓</b> D.	
		Question ID: 9767558074
		Status : Answered
		Chosen Option : 4









Q.58		
Ans	<b>X</b> A.	
	<b>✓</b> B.	
	<b>★</b> c.	
	<b>X</b> D.	
		Question ID : <b>9767558065</b> Status : <b>Answered</b>
		Chosen Option : 2
		onoch option: 2
	Assume a parallel plate capacitor which is maintained at potential of 100 distance between the plates of the capacitor and area of the plates are 5 respectively. Compute the displacement current for the time in $\mu$ s?	
Ans	<b>X</b> A.	
	<b>X</b> B.	
	<b>★</b> c.	
	<b>✓</b> D.	
		0 10 07/77/2004
		Question ID : <b>9767558051</b> Status : <b>Answered</b>
		Chosen Option : 3
Q.60	A copper block of mass 3 kg is heated in a furnace to a temperature of 4 placed on a large ice block. Find the maximum amount of ice that can m of copper = $0.39~\rm Jg^{-1}K^{-1}$ , heat of fusion of water = $335~\rm Jg^{-1}K^{-1}$ )	50 °C and then elt? (specific heat
Ans	<b>✓</b> A.	
	<b>X</b> B.	
	<b>★</b> c.	
	<b>★</b> D.	
		Question ID : 9767558079
		Status : Answered
		Chosen Option : 1