

AAI (ATC) Junior Executive 25 Mar 2021 Shift 3



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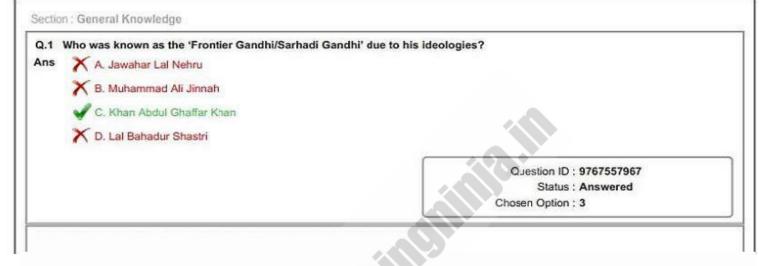
## भारतीय विमानपत्तन प्राधिकरण

(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	Ur. Executive (ATC)	190



- .2 India is considered to be which of the following types of economy?
- ns X A. Pure Command Economy
  - B. Mixed Economy
  - X C. Traditional Economy
  - X D. Pure Market Economy

Question ID : 9767557960 Status : Answered Chosen Option : 2

- .3 Which of the following is a non-metal required by the human body?
- ns X A. Iron X B. Gold
  - C. Sold
  - X C. Zinc
  - VD. lodine

Question ID : 9767557961 Status : Answered Chosen Option : 4

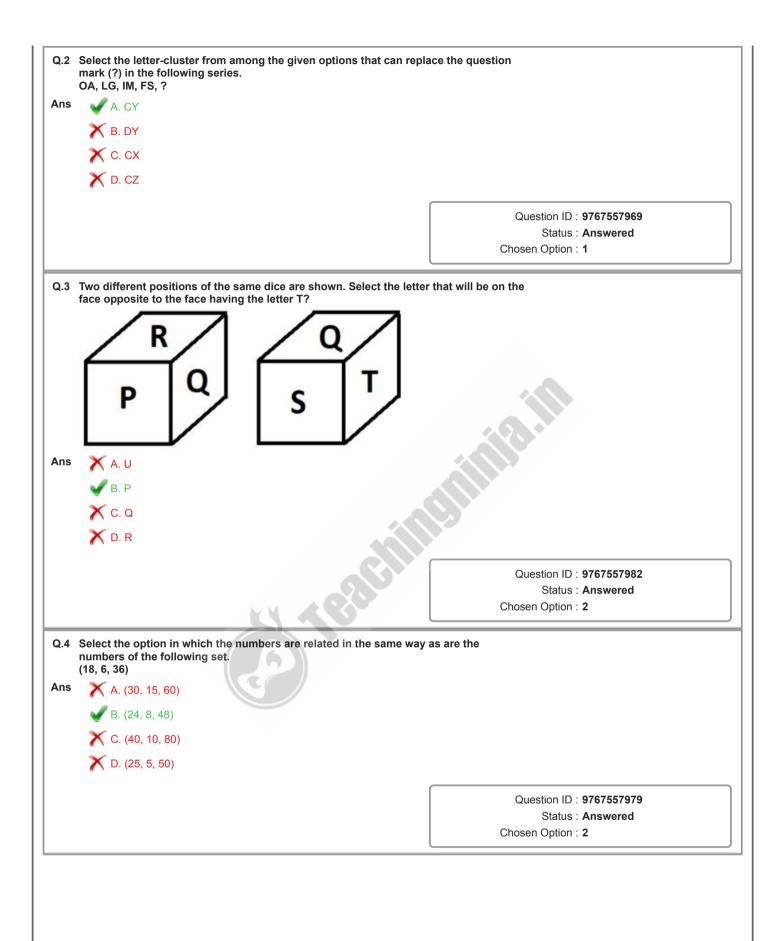


ຊ.4	Every year, in which Indian state does monsoon set in first?	
ns	X A. Tamil Nadu	
	X B. Maharashtra	
	C. Kerala	
	X D. Karnataka	
		Question ID : 9767557962
		Status : <b>Answered</b> Chosen Option : <b>3</b>
	What is the full form of BRO?	
ns	X A. Border Road Office	
	🗙 B. Broad Road Organisation	
	C. Border Roads Organisation	
	X D. Border River Organisation	
		Question ID : 9767557964
		Status : Answered
		Chosen Option : 3
	<ul> <li>B. Mahadevi Verma</li> <li>C. Ramdhari Singh Dinkar</li> </ul>	
	X D. Vishnu Prabhakar	
		Question ID : 9767557959
	51 - 680	Question ID : <b>9767557959</b> Status : <b>Answered</b> Chosen Option : <b>1</b>
2.7	Which significant event took place in 1757?	Status : Answered
	Which significant event took place in 1757?	Status : Answered
		Status : Answered
	X A. The Sepoy Mutiny	Status : Answered
	A. The Sepoy Mutiny B. Battle of Plassey	Status : Answered
Q.7 Ans	<ul> <li>A. The Sepoy Mutiny</li> <li>B. Battle of Plassey</li> <li>C. Formation of East India Company</li> </ul>	Status : Answered
	<ul> <li>A. The Sepoy Mutiny</li> <li>B. Battle of Plassey</li> <li>C. Formation of East India Company</li> </ul>	Status : Answered Chosen Option : 1

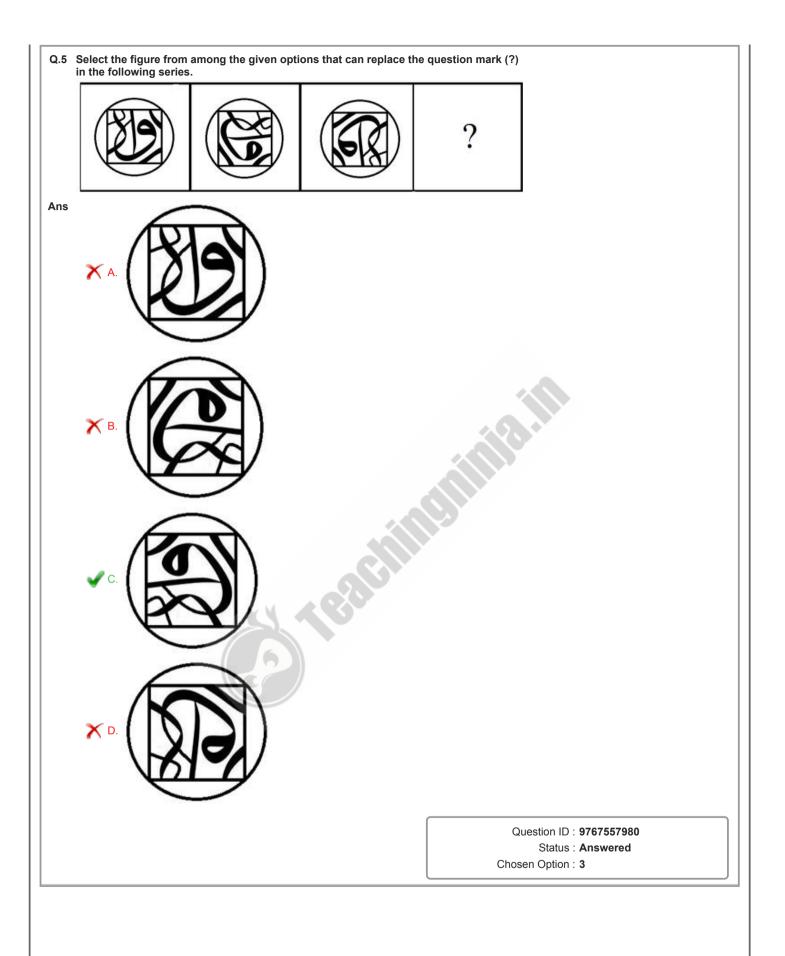


าร	How many union territories are there in India as of January 2021?	
15	X A. Six	
	X B. Seven	
	C. Eight	
	X D. Nine	
		Question ID : 9767557963
		Status : Answered
		Chosen Option : 3
.9	In whose honour has 29th August been designated as India's Nati	onal Sports day?
าร	🗙 A. Sachin Tendulkar	
	✔ B. Major Dhyan Chand	
	🗙 C. Mithali Raj	
	X D. Milkha Singh	
	• •	
		Question ID : 9767557968
		Status : Answered Chosen Option : 2
.10	Who was the last Mughal emperor of India?	
ns	✔ A. Bahadur Shah Zafar	
	🗙 B. Humayun	
	X C. Akbar	
	D. Shah Jahan	
		Question ID : 9767557965
		Status : Answered Chosen Option : 1
ectio	on : General Intelligence	
<u>۱</u>	Select the alphanumeric-cluster from among the given options that	t can replace the
	question mark (?) in the following series. Y11, S7, M5, G3, ?	
ns	🗙 A. B2	
ns	X A. B2	
ns	✓ B. A2	
ns	<ul> <li>B. A2</li> <li>C. A1</li> </ul>	
ns	✓ B. A2	
ns	<ul> <li>B. A2</li> <li>C. A1</li> </ul>	Question ID : 9767557970
ins	<ul> <li>B. A2</li> <li>C. A1</li> </ul>	Question ID : <b>9767557970</b> Status : <b>Answered</b>
INS	<ul> <li>B. A2</li> <li>C. A1</li> </ul>	





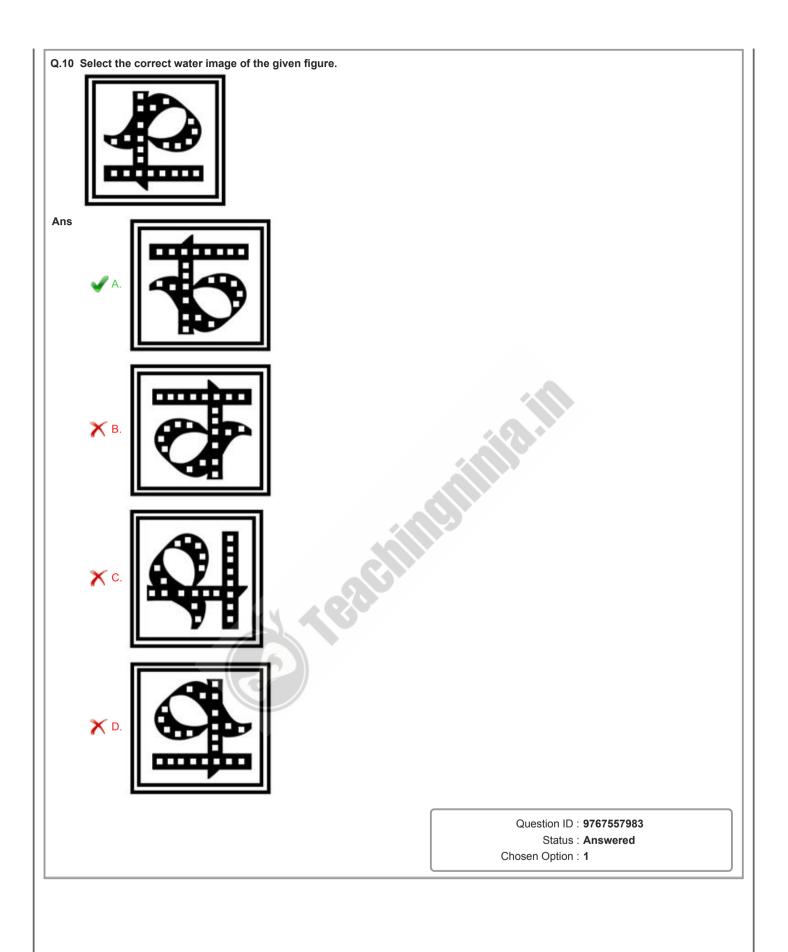




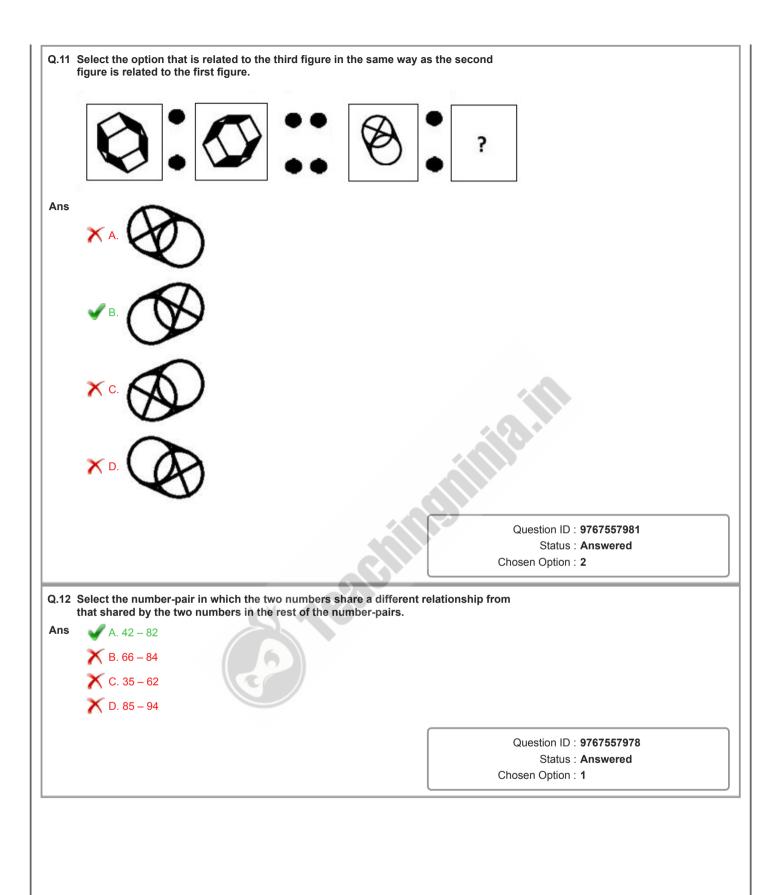


	Select the option in which the letter-clusters share the same relatior shared by the given pair of letter-clusters. GI : VC	iship as that
Ans	🗙 A. AC : OW	
	X B. CY : DB	
	C. GL : VB	
	D. HY : WS	
	•	
		Question ID : 9767557971
		Status : <b>Answered</b> Chosen Option : <b>4</b>
1	Select the option that is related to the third number in the same way number is related to the first number. 15 : 5 :: 26 : ?	as the second
Ans	🖌 A. 6	
	🗙 В. 8	
	X C. 4	
	X D. 9	
		Question ID : 9767557977 Status : Answered
		Chosen Option : 1
	Select the number from among the given options that can replace th (?) in the following series. 100, 120, 145, 180, 235, ?	e question mark
Ans	X A. 335	
	X B. 325	
	🖌 C. 330	
	X D. 315	
		Question ID : 9767557976 Status : Answered
		Chosen Option : 3
· ·	A question is given, followed by two arguments. Decide which of the valid with respect to the question.	arguments is/are
	Question: Should school-going children have internet access at home?	
	Arguments: (I): Yes, because through the internet students can have access to e	ducational videos
	on YouTube, articles addressing current events that impact their live or quizzes required in their coursework. (II): No, it's a waste of time.	
Ans	A. Only argument (I) is valid	
	B. Only argument (II) is valid	
	C. Neither argument (I) nor argument (II) is valid	
	D. Both arguments (I) and (II) are valid	
		Question ID : 9767557974
		Status : <b>Answered</b> Chosen Option : <b>1</b>
		F











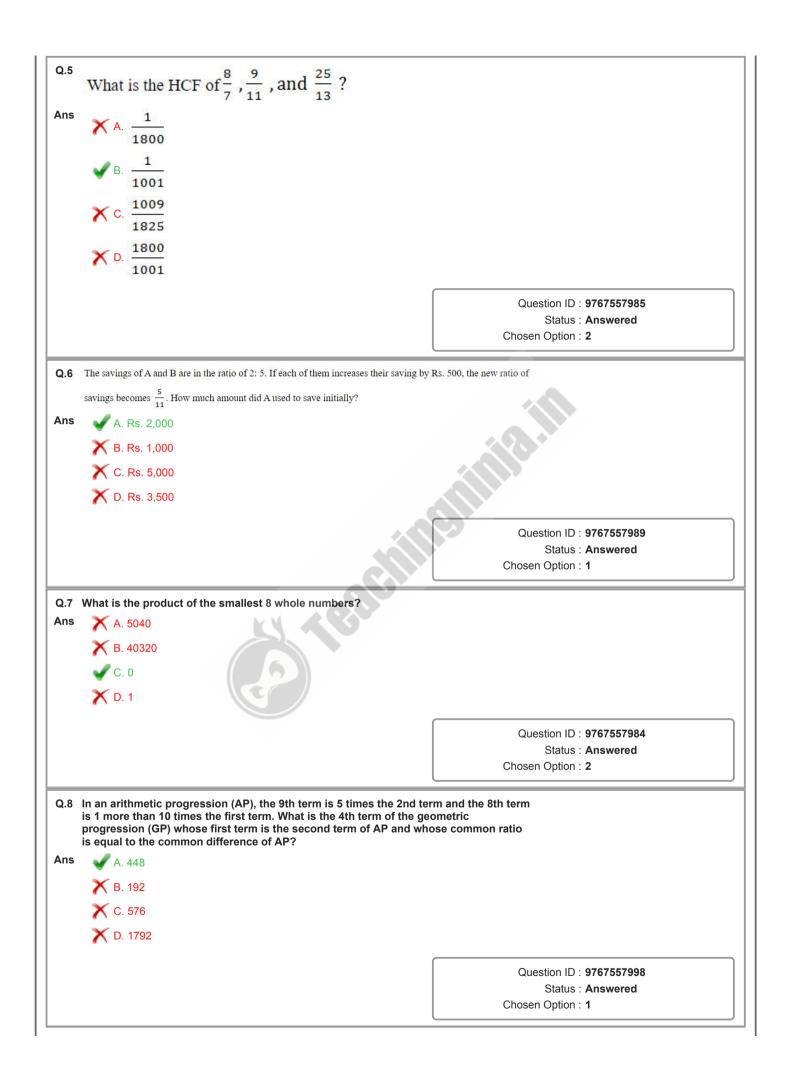
log 1. N 2. M 3. A 4. P 5. C Ans	<ul> <li>lect the correct option that indicates the arrangements of the give ical and meaningful order.</li> <li>Nucleus</li> <li>Molecule</li> <li>Atom</li> <li>Proton</li> <li>Compound</li> <li>A. 4, 1, 3, 5, 2</li> <li>B. 5, 3, 2, 4, 1</li> <li>C. 5, 2, 3, 4, 1</li> <li>D. 4, 1, 3, 2, 5</li> </ul>	n words in a
		Question ID : 9767557975
		Status : Answered
		Chosen Option : 3
give knc Sta Sta 1. A 2. A Con I. S II. A Ans	ad the given statements and conclusions carefully. Assuming that the in the statements is true, even if it appears to be at variance we own facts, decide which of the given conclusions logically follow (tements. tements: All pins are bins. All pins are not papers. nclusions: some papers are pins. All pins are not papers. All pins are not papers. All pins are not papers. A. Only conclusion I follows B. Neither conclusion I nor II follows C. Only conclusion II follows D. Both conclusions I and II follow	ith commonly
	9.9	Question ID : 9767557973
		Status : <b>Answered</b> Chosen Option : <b>3</b>
asi Ans	Q.15 In a certain code language, 'Tudo Bem' is written as 'All Fine', 'Como Esta' is written as 'How You', and 'Bem Como' is written as 'Fine You'. How will 'Tudo Esta' be written as in the same language?	
		Question ID : 9767557972 Status : Answered Chosen Option : 4

Section : General Aptitude

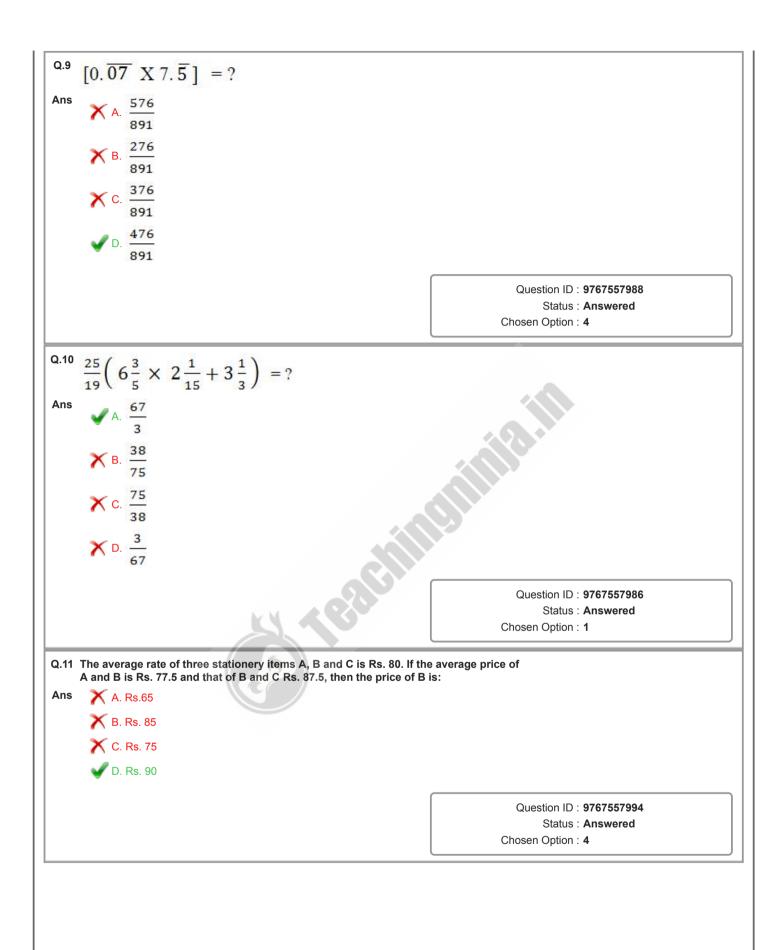


win Annan purchaseu	4 pens, 5 pencils and 8 scales for Rs. 120. Had An	an nurchasod /
pens, 8 pencils an	d 11 scales, he would have to pay Rs. 192. Pankaj ales. If Aman purchased only what was demande he have paid?	demanded 2 pens,
Ans 🗙 A. Rs. 32		
🖌 B. Rs. 48		
🗙 C. Rs. 42		
🗙 D. Rs. 38		
		Question ID : 9767557997
		Status : <b>Answered</b> Chosen Option : <b>2</b>
	nt increase in an amount in 3 years at x percent ra compound interest on Rs. 30,000 after 4 years at t	
Ans 🛛 🗙 A. Rs. 11,98	)	
🗙 B. Rs. 9,930		
• • •	2	
🗸 C. Rs. 13,92	5	
-		
🗸 C. Rs. 13,92		
🗸 C. Rs. 13,92		Question ID : 9767557995
V C. Rs. 13,92		Status : Answered
C. Rs. 13,92 C. Rs. 13,29 D. Rs. 13,29 Q.3 Raj and Rajat can	3 finish a piece of work in 30 days and 40 days res	Status : Answered Chosen Option : 3 ectively. Raj
C. Rs. 13,92 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29	3 finish a piece of work in 30 days and 40 days resp lone. After how many days should Rajat join him	Status : Answered Chosen Option : 3 ectively. Raj
C. Rs. 13,92 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29	3 finish a piece of work in 30 days and 40 days resp lone. After how many days should Rajat join him	Status : Answered Chosen Option : 3 ectively. Raj
C. Rs. 13,92 C. Rs. 13,29 C. Rs. 13,92 C. Rs. 13,92 C. Rs. 13,92 C. Rs. 13,92 C. Rs. 13,92 C. Rs. 13,29 C. Rs. 14,20 C. Rs	3 finish a piece of work in 30 days and 40 days resp lone. After how many days should Rajat join him	Status : Answered Chosen Option : 3 ectively. Raj
C. Rs. 13,92 C. Rs. 13,29 C. Rs. 14,20 C. Rs	3 finish a piece of work in 30 days and 40 days resp lone. After how many days should Rajat join him	Status : Answered Chosen Option : 3 ectively. Raj
C. Rs. 13,92 C. Rs. 13,29 D. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. 12 days C. 16 days	3 finish a piece of work in 30 days and 40 days resp lone. After how many days should Rajat join him	Status : Answered Chosen Option : 3 ectively. Raj
C. Rs. 13,92 C. Rs. 13,29 D. Rs. 13,29 C. Rs. 13,29 Q.3 Raj and Rajat can started the work a finished in 24 day Ans A. 12 days B. 14 days C. 16 days	3 finish a piece of work in 30 days and 40 days resp lone. After how many days should Rajat join him	Status : Answered Chosen Option : 3 ectively. Raj so that the work is Question ID : 9767557992
C. Rs. 13,92 C. Rs. 13,29 D. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. 12 days C. 16 days	3 finish a piece of work in 30 days and 40 days resp lone. After how many days should Rajat join him	Status : Answered Chosen Option : 3 ectively. Raj so that the work is Question ID : 9767557992 Status : Answered
C. Rs. 13,92 C. Rs. 13,29 D. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. 12 days C. 16 days	3 finish a piece of work in 30 days and 40 days resp lone. After how many days should Rajat join him	Status : Answered Chosen Option : 3 ectively. Raj so that the work is Question ID : 9767557992
C. Rs. 13,92 C. Rs. 13,29 D. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. 13,29 C. 13,29 C. 16 days C. 16 days D. 10 days	3 finish a piece of work in 30 days and 40 days resp lone. After how many days should Rajat join him	Status : Answered Chosen Option : 3 ectively. Raj so that the work is Question ID : 9767557992 Status : Answered Chosen Option : 3
C. Rs. 13,92 C. Rs. 13,29 D. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. 13,29 C. 13,29 C. 13,29 C. 14 days C. 16 days C. 16 days C. 10 days	3 finish a piece of work in 30 days and 40 days resplore. After how many days should Rajat join him s?	Status : Answered Chosen Option : 3 ectively. Raj to that the work is Question ID : 9767557992 Status : Answered Chosen Option : 3 re were 4 men
C. Rs. 13,92 C. Rs. 13,29 D. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. 13,29 C. 13,29 C. 13,29 C. 13,29 C. 13,29 C. 14 days C. 16 days C. 16 days C. 10 days	3 finish a piece of work in 30 days and 40 days resplore. After how many days should Rajat join him s?	Status : Answered Chosen Option : 3 ectively. Raj to that the work is Question ID : 9767557992 Status : Answered Chosen Option : 3 re were 4 men
C. Rs. 13,92 C. Rs. 13,29 D. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. 13,29 C. 13,29 C. 13,29 C. 14 days C. 16 days C. 16 days C. 10 days C. 10 days C. 10 days C. 10 days	3 finish a piece of work in 30 days and 40 days resplore. After how many days should Rajat join him s?	Status : Answered Chosen Option : 3 ectively. Raj to that the work is Question ID : 9767557992 Status : Answered Chosen Option : 3 re were 4 men
C. Rs. 13,92 C. Rs. 13,29 D. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. 13,29 C. 13,29 C. 13,29 C. 14 days C. 16 days C. 16 days C. 16 days C. 10 days C. 10 days C. 10 days C. 10 days C. 10 days	3 finish a piece of work in 30 days and 40 days resplore. After how many days should Rajat join him s?	Status : Answered Chosen Option : 3 ectively. Raj to that the work is Question ID : 9767557992 Status : Answered Chosen Option : 3 re were 4 men
C. Rs. 13,92 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. 13,29 C. 13,29 C. 14 days C. 16 days C. 16 days C. 16 days C. 10 days	3 finish a piece of work in 30 days and 40 days resplore. After how many days should Rajat join him s?	Status : Answered Chosen Option : 3 ectively. Raj to that the work is Question ID : 9767557992 Status : Answered Chosen Option : 3 re were 4 men
C. Rs. 13,92 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 C. 13,29 C. 13,29 C. 13,29 C. 13,29 C. 14 days C. 16 days C. 16 days C. 16 days C. 10 days C. 10 days C. 10 days C. 10 days C. 10 days	3 finish a piece of work in 30 days and 40 days resplore. After how many days should Rajat join him s?	Status : Answered Chosen Option : 3 ectively. Raj to that the work is Question ID : 9767557992 Status : Answered Chosen Option : 3 re were 4 men
C. Rs. 13,92 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 Q.3 Raj and Rajat can started the work a finished in 24 days Ans A. 12 days C. 16 days C. 16 days C. 16 days D. 10 days Q.4 A certain number less, it would take there initially? Ans A. 42 B. 38 C. 36	3 finish a piece of work in 30 days and 40 days resplore. After how many days should Rajat join him s?	Status : Answered Chosen Option : 3 ectively. Raj to that the work is Question ID : 9767557992 Status : Answered Chosen Option : 3 re were 4 men
C. Rs. 13,92 C. Rs. 13,29 C. Rs. 13,29 C. Rs. 13,29 Q.3 Raj and Rajat can started the work a finished in 24 days Ans A. 12 days C. 16 days C. 16 days C. 16 days D. 10 days Q.4 A certain number less, it would take there initially? Ans A. 42 B. 38 C. 36	3 finish a piece of work in 30 days and 40 days resplore. After how many days should Rajat join him s?	Status : Answered Chosen Option : 3 ectively. Raj so that the work is Question ID : 9767557992 Status : Answered Chosen Option : 3 re were 4 men w many men were

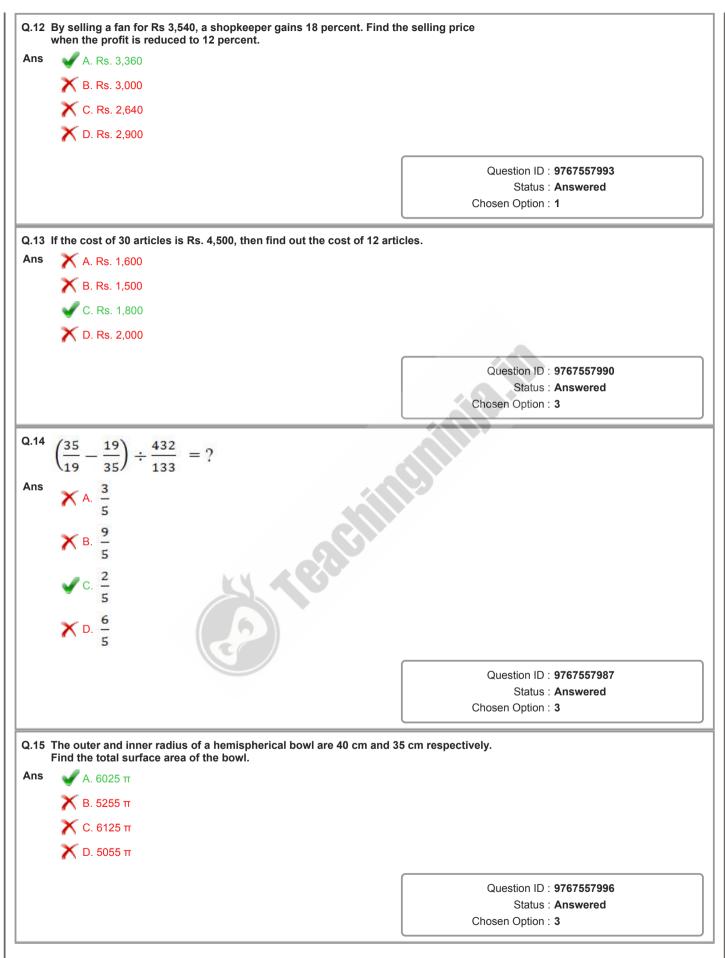












Section : General English



	1 Select the option that expresses the given sentence in reported speech. 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 "	
each other and move on."		
Ans X A. 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 lead that that is how help each other and move on.	nd a hand. He added
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.		
	when we needed a hand. There were other days when we were called to further said that that's how we helped each other and moved on.	lend a hand. He
	$\sim$ X D. Addressing the nation, the President warned the people that the	ere are some days
	when they will need a hand and there are other days when they will be ca hand.He counselled them that this is how people help each other and mo	alled to lend their ve on.
		Question ID : 9767558007
		Status : Answered
		Chosen Option : 2
ר ר ר ר	Select the most appropriate option expressed in indirect speech.	
Ans		
	B. You made this cake, didn't you?	
	C. He wanted to know what I wanted to do when I grew up.	
	ightarrow D. Dad has planned to take us all to Europe this summer vacation.	
		Question ID : 9767558008
		Status : Answered
		Chosen Option : 3
Q.3	Select the most appropriate option that can substitute the underline given sentence. The <u>art of growing plants in water without using soil</u> is getting popu can be highly productive, profitable and in less space without any s	lar worldwide as it
Ans	<ul> <li>A. hydrophonically</li> <li>B. Hydrophilia</li> <li>C. Hydromonics</li> <li>D. Hydroponics</li> </ul>	
Ans	<ul> <li>B. Hydrophilia</li> <li>C. Hydromonics</li> </ul>	
Ans	<ul> <li>B. Hydrophilia</li> <li>C. Hydromonics</li> </ul>	Question ID : <b>9767558014</b>
Ans	<ul> <li>B. Hydrophilia</li> <li>C. Hydromonics</li> </ul>	Question ID : <b>9767558014</b> Status : <b>Answered</b> Chosen Option : <b>1</b>



Q.4	The following sentence has been divided into parts. One of the Select the part that contains the error from the given options Dr. Trehan says / he felt an overwhelming sense of helpless many of his patients / die of heart disease.	S.
Ans	🗙 A. Dr.Trehan says	
	🗙 B. die of heart disease	
	C. when he is watching much of his patients	
	igma D. he felt an overwhelming sense of helplessness	
		Question ID : 9767558004 Status : Answered
		Chosen Option : 3
Q.5	Select the most appropriate ANTONYM of the given word.	
	DETERMINED	
ns	A. Suspicious	
	X B. Firm	
	X C. Resolute	
	D. Stubborn	
	C D. Stubborn	
		Question ID : 9767557999
		Status : Answered
		Chosen Option : 1
Q.6	The following sentences describe the process of baking a ca Identify the step which is NOT expressed in passive voice.	ake in a microwave.
٩ns	$\mathbf{X}$ A. The cooking time may have to be adjusted to suit the ty	pe of machine you have.
	B. To make a cake some butter, sugar, eggs, milk and flou and blended till soft and creamy.	
	C. Place the mixture in the microwave oven for a few minu	ites till the cake is bouncy.
	X D. This mixture is then transferred into a pre- greased bak	
		Question ID : 9767558009
		Status : <b>Answered</b> Chosen Option : <b>1</b>
<b>)</b> .7	Select the most appropriate option to fill in the blanks. The Statue of Unity is the world's statue and an icon	nic landmark of new India.
ns	✓ A. tallest	
	X B. tall	
	C. taller	
	X D. most tallest	
		Question ID : 9767558002
		Status : Answered

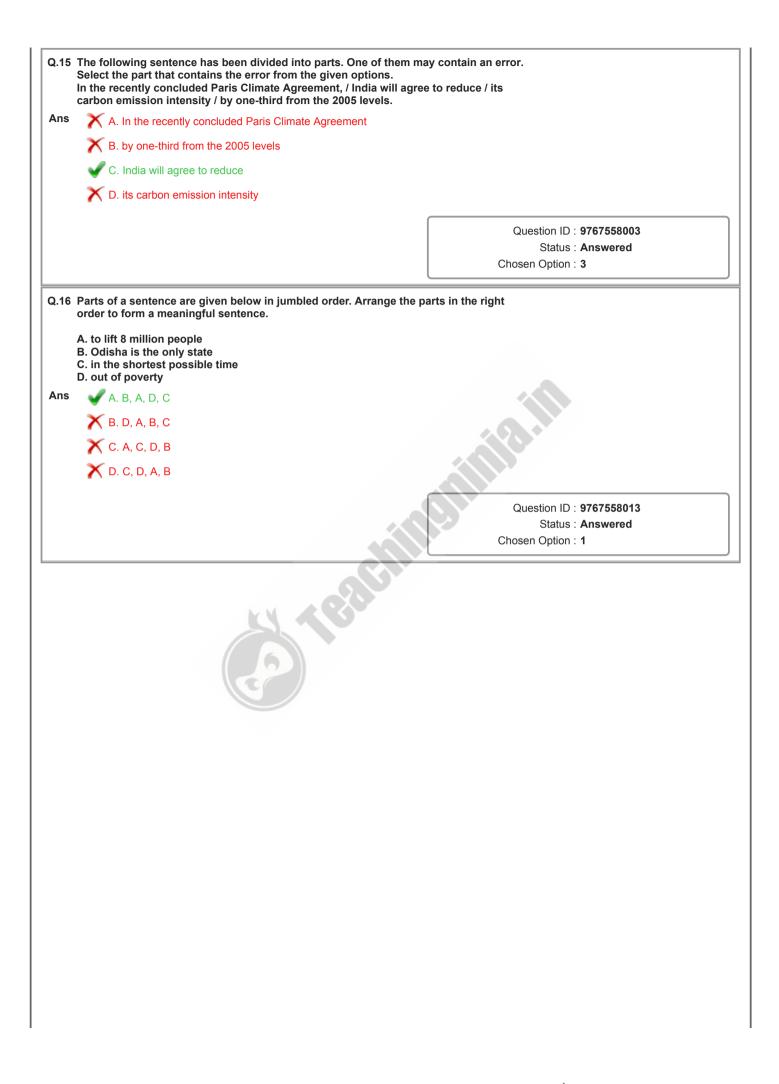


<ul> <li>Q.8 Sentences of a paragraph are given below in jumbled order. A the right order to form a meaningful and coherent paragraph.</li> <li>A: Its people thrived on agriculture and enjoyed a happy common B: The Sumerian civilization is the oldest civilization known to C: The term Sumer is today used to designate southern Meson D: Sumer used to be a flourishing urban civilization till 3000 B</li> </ul>	nunity life. 9 mankind. potamia.
Ans X A. B, C, A, D	
<b>B</b> . B, C, D, A	
<b>C</b> . D, A, C, B	
🗙 D. A, C, D, B	
	Question ID : 9767558012 Status : Answered Chosen Option : 1
Q.9 Select the most appropriate ANTONYM of the given word. GREGARIOUS	
Ans X A. Sociable	
<ul> <li>B. Affable</li> <li>C. Talkative</li> </ul>	
D. Reserved	
	Question ID : 9767558000 Status : Answered Chosen Option : 4
Q.10 Select the option that is NOT expressed in active voice.	
Ans X A. Aruna and her friends were planning to spend a weekend	
B. She was informed by the Manager that there were no roc weekend.	oms available for that
C. Aruna and her friends started enquiring from other hotels available for that weekend.	if they had rooms
ightarrow D. She called the Manager of Sunshine Resort to book two	rooms overlooking the sea.
	Question ID : 9767558010 Status : Answered Chosen Option : 2
Q.11 Select the option that expresses the given sentence in direct s He told me that he had a tough time locating my house.	speech.
Ans X A. He says, "I have a tough time locating my house."	
B. He said, "I had a tough time locating your house."	
C. He tells me, "I had a tough time locating your house."	
D. He said to me, "I will have a tough time locating your hou	se."
	Question ID : 9767558006 Status : Answered Chosen Option : 2

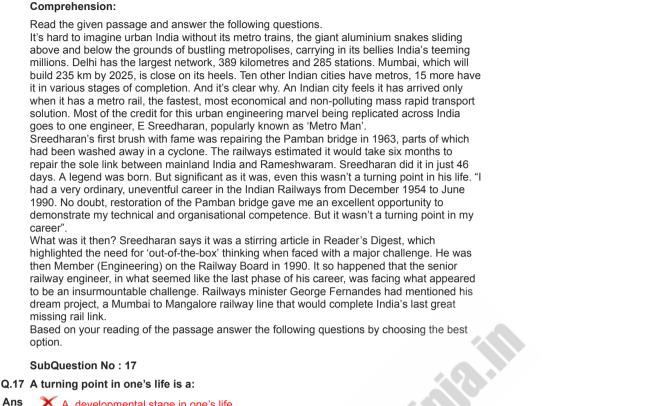


There was a time when Hyderabad was the only city badminton players, but now we can see a huge talent pan India.			
ns	<ul> <li>A. producing; cropping up</li> <li>B. produce; crop up</li> <li>C. to produce; cropping in</li> </ul>		
	X D. produced; cropping from		
		Question ID : 9767558001 Status : Answered	
		Chosen Option : 4	
.13	Select the most appropriate option expressed in direct speech.		
ns	A. Most TV channels gave a live coverage to the swearing-in ce elected US President.	eremony of the newly	
	B. The teacher told the students that she will give them detailed project.	guidelines for the	
	C. Most of the Bollywood stars expressed their jubilance after the secured a historic test series win against Australia.	e Indian cricket team	
	D. Could you please introduce yourself?		
		Question ID : 9767558005	
		Status : Answered	
.14	Sentences of a paragraph are given below. While the first and the the correct order, the sentences in between are jumbled up. Arrar B, C and D in the correct order to form a meaningful and coheren S 1: Oceans cover three-ouarters of the Earth's surface.	Status : Answered Chosen Option : 4 last sentences are in age the sentences A,	
	the correct order, the sentences in between are jumbled up. Arran	Status : Answered Chosen Option : 4 last sentences are in ige the sentences A, t paragraph. ited Nation's e development. ment. be tapped fully.	
Q.14	the correct order, the sentences in between are jumbled up. Arrar B, C and D in the correct order to form a meaningful and coheren S 1: Oceans cover three-quarters of the Earth's surface. S 2: S 3: S 4: S 5: S 5: S 6: Nations trying to tap ocean resources must adhere to the Un Sustainable Development Goal of using resources for sustainable Options: A: However, this potential needs to be harnessed in a balanced m preservation and health of oceans are given their due importance B: Oceans are said to be the last frontiers of growth and develop C: But, the immense potential that the oceans present remains to D: They contain 97% of the Earth's water and represent 99% of th planet. A. B, C, D, A B. D, B, C, A C. A, C, B, D	Status : Answered Chosen Option : 4 last sentences are in ige the sentences A, t paragraph. ited Nation's e development. ment. be tapped fully.	









A. developmental stage in one's life

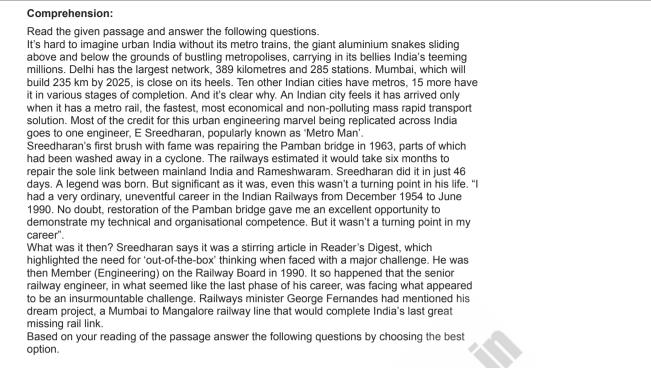
B. moment of celebration when one gets recognition

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

D. time when luck knocks at one's door

Question ID : 9767558017 Status : Answered Chosen Option : 3





## SubQuestion No : 18

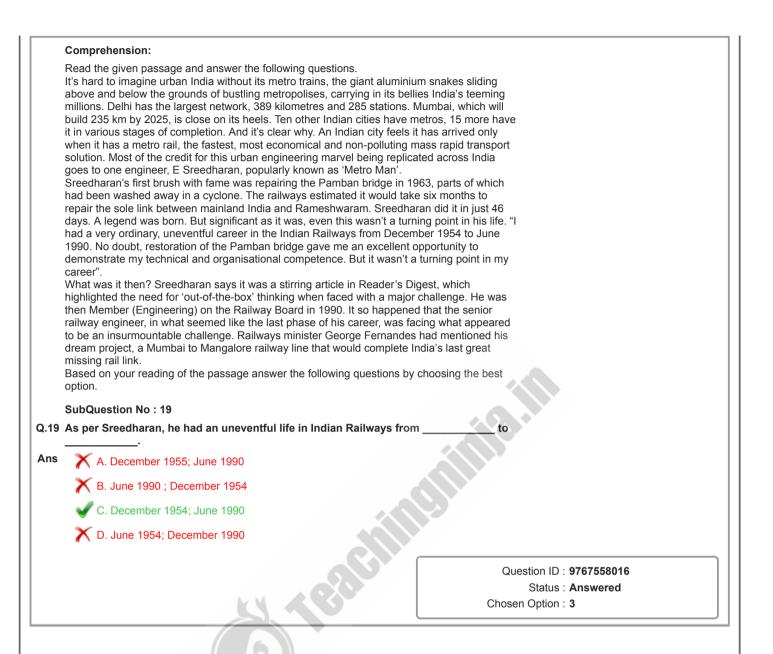
Ans

## Q.18 Sreedharan became famous as the Metro Man of India after:

- X A. the replication of Delhi metro model in other cities of India
  - X B. the restoration of the damaged Pamban bridge in record time
  - C. the completion of the Mumbai Mangalore railway line
  - D. the construction of the Metro railway network in Delhi.

Question ID : 9767558019 Status : Answered Chosen Option : 4



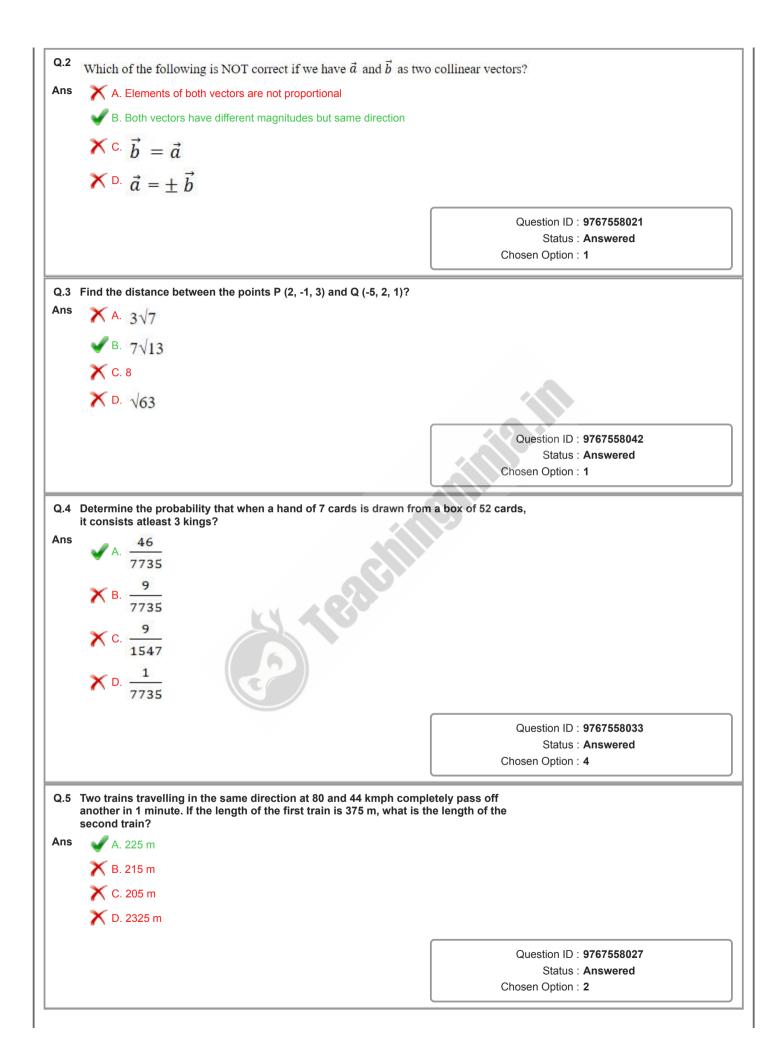




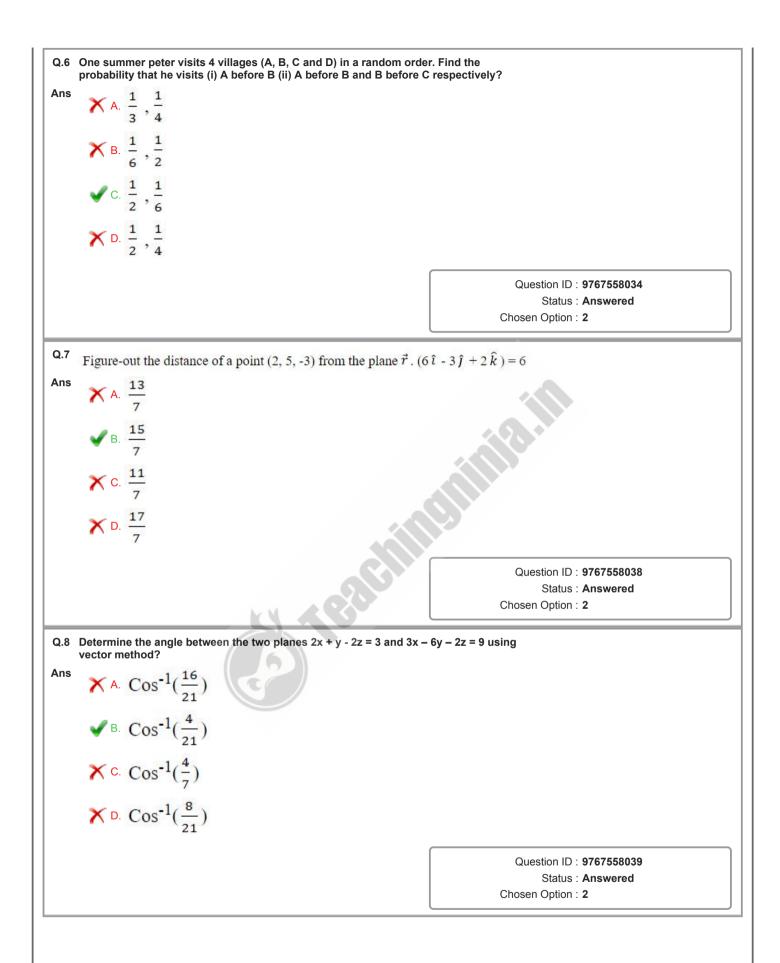
um snakes sliding llies India's teeming Mumbai, which will metros, 15 more have it has arrived only mass rapid transport cated across India 963, parts of which ee six months to aran did it in just 46 ning point in his life. "I mber 1954 to June opportunity to a turning point in my Digest, which r challenge. He was ed that the senior acing what appeared s had mentioned his India's last great y choosing the best
Question ID : 9767558018 Status : Answered Chosen Option : 4
rom below options?
Question ID : 9767558046

Status : **Answered** Chosen Option : **4** 

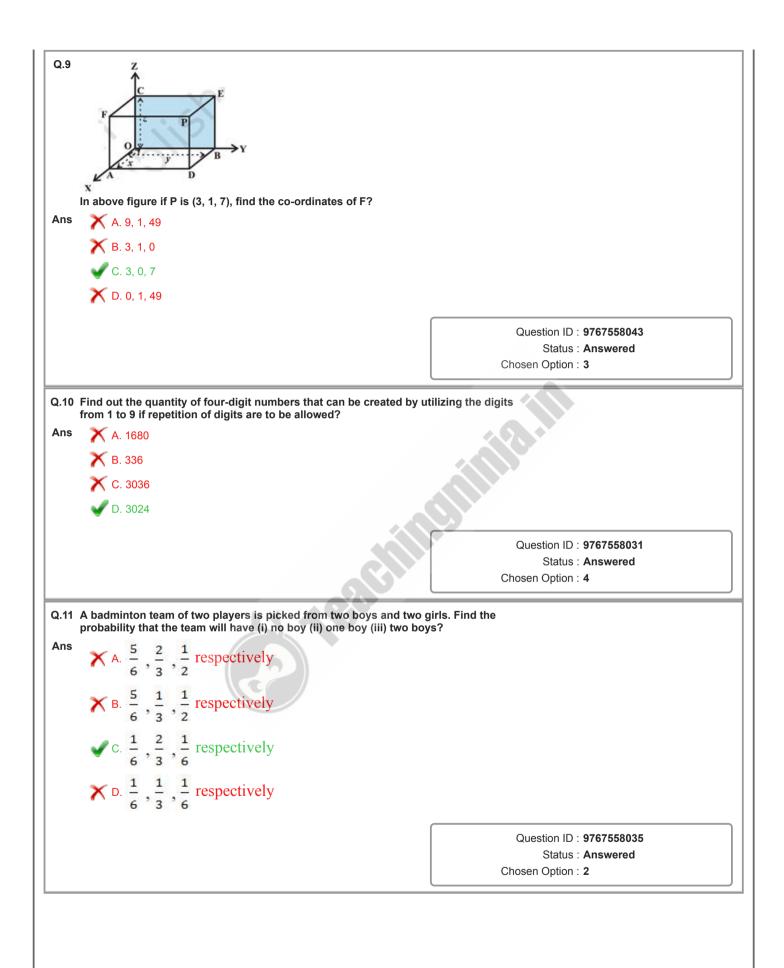




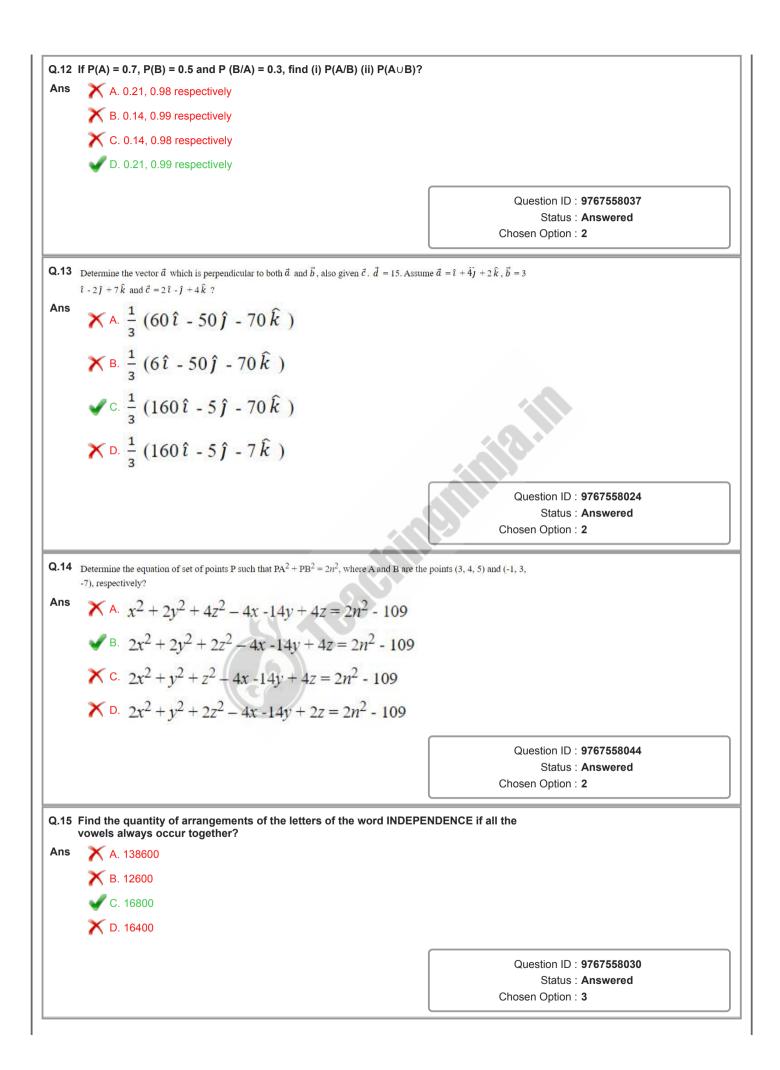




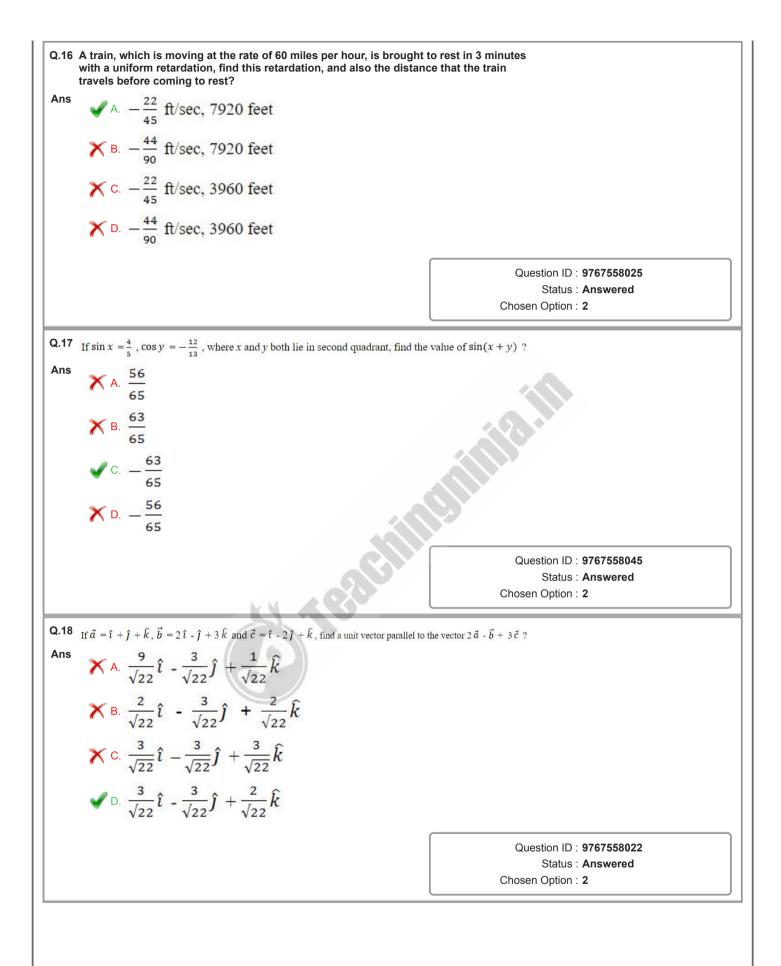




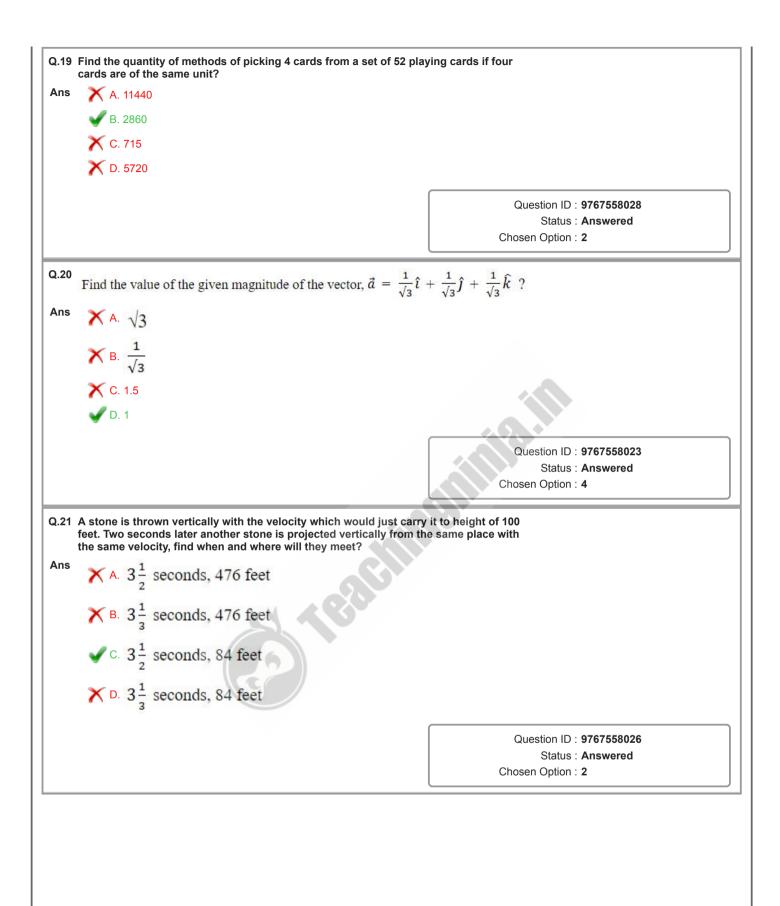








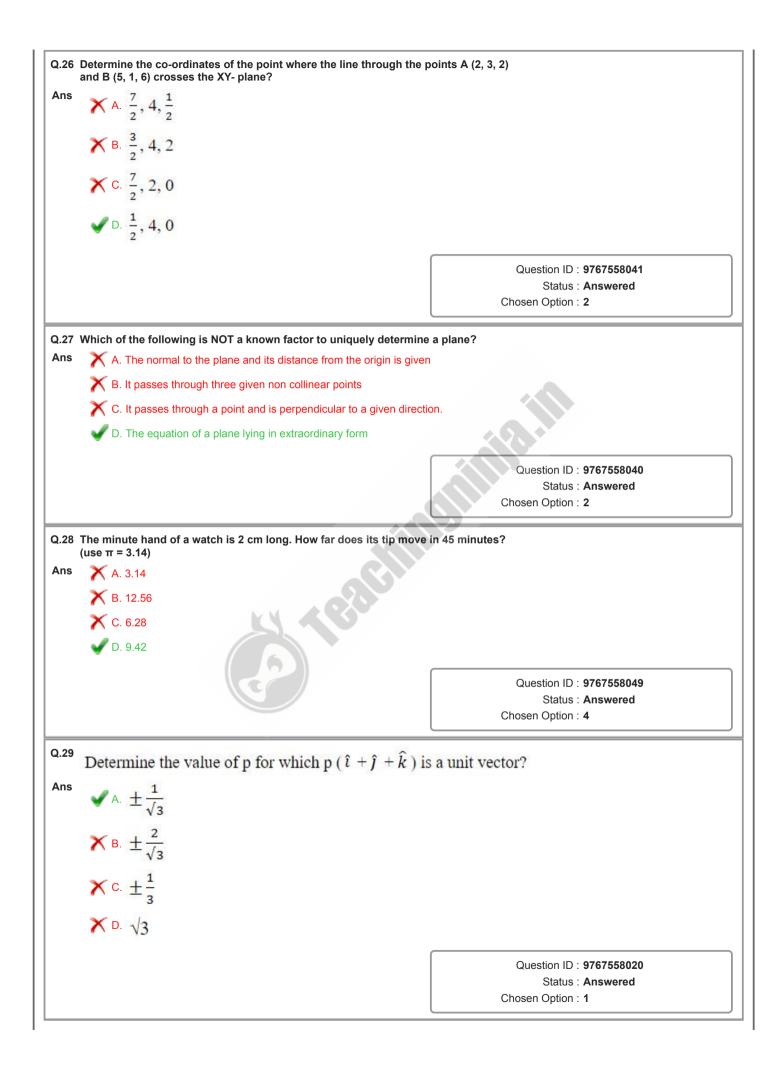
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Q.22	Two dancers Seema and Reema appeared in audition of a dance corprobability that seema will be selected in this dance competition is 0 will be selected is 0.10. The probability that both will get selected is the probability that:	0.05 and that reema
	<ul><li>(i) Both seema and reema will not get selected in the competition.</li><li>(ii) Atleast one of them will not be selected in the competition</li><li>(iii) Only one of them will be selected in the competition</li></ul>	
Ans	🗙 A. 0.11, 0.05, 0.95 respectively	
	B. 0.87, 0.98, 0.11 respectively	
	X C. 0.95, 0.98,0.13 respectively	
	X D. 0.13, 0.02, 0.11 respectively	
		Question ID : 9767558036
		Status : Answered
		Chosen Option : 2
Q.23	Which of the following is TRUE for "complementary event or 'not ev	ent"?
Ans	X A. The set A-B	
	$\mathbf{X} \overset{B}{\rightarrow}$ The set $\mathbf{A} \cap \mathbf{B}$	
	C. The set A' or S-A	
	▶ D. The set A U B	
		Question ID : 9767558032
		Status : Answered
		Chosen Option : 2
Q.24	Evolute $2 \sin^{\pi} \cos^{\pi} - 4 \sin^{5\pi} \cot^{\pi}$ and form out the correct evolution	iron below ontions?
Ans	Evaluate $3\sin\frac{\pi}{6}\sec\frac{\pi}{3} - 4\sin\frac{5\pi}{6}\cot\frac{\pi}{4}$ and figure out the correct answer is	rom below options?
Alls	$\mathbf{X} \mathbf{A} \cdot \frac{1}{2}$	
	× B. 0	
	$\mathbf{X}$ c. $\frac{1}{\sqrt{3}}$	
	✓ D. 1	
		Question ID : 9767558048 Status : Answered
		Chosen Option : 4
Q.25	Evaluate $3\sin x - 4\sin^3 x$ and figure out the correct answer from	m below options?
Ans	X A. 2sin 3x	
	B. sin 3x	
	X c. cos 2x cosx	
	D. sinx	
		Question ID : 9767558047 Status : Answered
		Chosen Option : 2





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Q.30	What will be the number of permutations of n different repeatition is allowed?	t things, taken i at a time, where	
Ans	$ \stackrel{\text{A.}}{\underset{n}{}} \frac{n}{r(n-1)} $		
	$\checkmark$ C. $n^r$		
	<b>X</b> □. ( <i>n</i> -1) <sup><i>r</i></sup>		
		Question ID : 9767558029	
		Status : Answered	
		Chosen Option : 3	
Q.31	A stream of water flowing horizontally with a speed of		
	cross-sectional area 10 <sup>-1</sup> m <sup>2</sup> and hits at a vertical wall the wall by the impact of water, assuming that it does	nearby. Find the force exerted on not rebound?	
Ans	X A. 40000 N		
	🖌 B. 400 N		
	X c. 2250 N		
	🗙 d. 4000 N		
		Question ID : 9767558061	
		Status : Answered	
Q.32	'Two spherical soap bubbles of radii r1 and r2 coalesce to form a bubble of is T, atmospheric pressure is P, change in volume of the air enclosed is V a Complete the expression using above statement, $3PV + \_ = 0$	Chosen Option : 2	
Q.32 Ans	is T, atmospheric pressure is P, change in volume of the air enclosed is $\mathrm{V}\mathrm{a}$	Chosen Option : 2 of radius R. If surface tension of soap solution and the change in surface area is A'. Question ID : 9767558071 Status : Answered	
	is T, atmospheric pressure is P, change in volume of the air enclosed is V a Complete the expression using above statement, $3PV + \_ = 0$ X A. 8TP X B. 4TP X C. 2TA	Chosen Option : 2 of radius R. If surface tension of soap solution and the change in surface area is A'. Question ID : <b>9767558071</b>	
	is T, atmospheric pressure is P, change in volume of the air enclosed is V a Complete the expression using above statement, $3PV + \_ = 0$ A. STP B. 4TP C. 2TA D. 4TA	Chosen Option : 2 of radius R. If surface tension of soap solution and the change in surface area is A'. Question ID : 9767558071 Status : Answered Chosen Option : 2	
Ans Q.33	is T, atmospheric pressure is P, change in volume of the air enclosed is V a Complete the expression using above statement, $3PV + \_ = 0$ A. STP B. 4TP C. 2TA D. 4TA	Chosen Option : 2 of radius R. If surface tension of soap solution and the change in surface area is A'. Question ID : 9767558071 Status : Answered Chosen Option : 2	
Ans Q.33	is T, atmospheric pressure is P, change in volume of the air enclosed is V a Complete the expression using above statement, 3PV+=0 X A. 8TP X B. 4TP X C. 2TA ✓ D. 4TA Which of the following electromagnetic waves are use	Chosen Option : 2 of radius R. If surface tension of soap solution and the change in surface area is A'. Question ID : 9767558071 Status : Answered Chosen Option : 2	
Ans	is T, atmospheric pressure is P, change in volume of the air enclosed is V a Complete the expression using above statement, $3PV + \= 0$ A. STP B. 4TP C. 2TA D. 4TA Which of the following electromagnetic waves are use A. X- rays	Chosen Option : 2 of radius R. If surface tension of soap solution and the change in surface area is A'. Question ID : 9767558071 Status : Answered Chosen Option : 2	
Ans Q.33	is T, atmospheric pressure is P, change in volume of the air enclosed is V a Complete the expression using above statement, $3PV + \= 0$ X A. STP B. 4TP C. 2TA D. 4TA Which of the following electromagnetic waves are use A. X- rays B. Microwave	Chosen Option : 2 of radius R. If surface tension of soap solution and the change in surface area is A'. Question ID : 9767558071 Status : Answered Chosen Option : 2	



Ans T T	<ul> <li>emiconductor with band gap of 1.9 eV.</li> <li>A.</li> <li>The photodiode can detect signal once the energy of sig</li> <li>B.</li> <li>The energy of a signal of given wavelength is more than the s</li> <li>C. The photodiode can easily detect signal</li> <li>D. The photodiode cannot detect signal</li> </ul>			
т	К в. The energy of a signal of given wavelength is more than the s С. The photodiode can easily detect signal			
Т	The energy of a signal of given wavelength is more than the s	specified band gap		
	✗ ⊂. The photodiode can easily detect signal	specified band gap		
	✓ □. The photodiode cannot detect signal			
		✓ □. The photodiode cannot detect signal		
		Question ID : 9767558067 Status : Answered Chosen Option : 2		
	pulse of light duration 10 <sup>-5</sup> s is absorbed fully by a little object initially at rest. If the pow-	er of this pulse is $45 \times 10^{-3}$		
	$\sqrt{A}$ 15 × 10 <sup>-16</sup> Kg ms <sup>-1</sup>			
	× B. $45 \times 10^{-16} \text{Kg ms}^{-1}$			
	$\times$ c. 15 × 10 <sup>-8</sup> Kg ms <sup>-1</sup>			
	<b>X</b> □. 45 × 10 <sup>-8</sup> Kg ms <sup>-1</sup>			
		Question ID : 9767558054 Status : Answered Chosen Option : 4		
	ight from a point source in air falls on a spherical glass surface ( $n = 1.5$ c and radius c istance of the light source from the glass surface is 50 cm. At what position the image			
	A.	is formed:		
00008	he image is formed at a distance of 100 cm from the glass surface, opposite to the o	lirection of incident light.		
	B. The image is formed at a distance of 50 cm from the glass surface, in the dire	ection of incident light.		
	C. The image is formed at a distance of 100 cm from the glass surface, in the dir	ection of incident light.		
	<b>X</b> D.			
11	The image is formed at a distance of 50 cm from the glass surface, opposite to the direction of incident light.           Question ID : 9767558058           Status : Answered			
		Status : Anowarad		
		Status : Answered		



Q.37	A stone of mass 0.3 kg tied to the end of a string is whirled round in a circle of radius 1.2 m with a speed of 20 rev./min in a horizontal plane. What is the tension in the string? What is the maximum speed with which the stone can be whirled around if the string can withstand a maximum tension of 100 N?		
Ans	X A. 0.75 N, 20 m/s		
	× B. 6.57 N, 34.6 m/s		
	<b>×</b> c. 6.57 N, 39.6 m/s		
	✓ D. 1.57 N, 20 m/s		
		Question ID : 9767558063	
		Status : Answered	
		Chosen Option : 2	
Q.38	Let the electric field part of an electromagnetic wave is E = $\{(2.3 \text{ N/C}) \cos [(1.2 \text{ rs} Compute the value of wavelength, frequency and the amplitude of the magnetic field of the magnetic fie$		
Ans	$\times$ A 5.23,2.82 × 10 <sup>7</sup> and 1.76 × 10 <sup>-8</sup>		
	$\times$ B 3.23,2.82 $\times$ 10 <sup>7</sup> and 0.76 $\times$ 10 <sup>-8</sup>		
	$\checkmark$ c. 5.23,3.82 × 10 <sup>7</sup> and 0.76 × 10 <sup>-8</sup>		
	$\times$ D. 3.23,3.82 × 10 <sup>7</sup> and 1.76 × 10 <sup>-6</sup>		
		Question ID : 9767558052	
		Status : Answered	
		Chosen Option : 2	
Q.39	Q.39 Figure-out the case from the following in which the rope will break if an animal of mass 30 kg climbs on a rope, which		
		i mass 30 kg climbs on a rope, which	
Ans	can stand a maximum tension of 560 N. Assume g=10 m/s <sup>2</sup>	i mass 30 kg climbs on a rope, which	
	can stand a maximum tension of 560 N. Assume g=10 m/s <sup>2</sup> $\checkmark$ A. 8 m/s <sup>2</sup>	mass 30 kg climbs on a rope, which	
	can stand a maximum tension of 560 N. Assume $g=10 \text{ m/s}^2$ A. 8 m/s <sup>2</sup> B. 9 m/s <sup>2</sup>	i mass 30 kg climbs on a rope, which	
	can stand a maximum tension of 560 N. Assume $g=10 \text{ m/s}^2$ A. 8 m/s <sup>2</sup> B. 9 m/s <sup>2</sup> C. 8.5 m/s <sup>2</sup>	mass 30 kg climbs on a rope, which	
	can stand a maximum tension of 560 N. Assume $g=10 \text{ m/s}^2$ A. 8 m/s <sup>2</sup> B. 9 m/s <sup>2</sup>	mass 30 kg climbs on a rope, which	
	can stand a maximum tension of 560 N. Assume $g=10 \text{ m/s}^2$ A. 8 m/s <sup>2</sup> B. 9 m/s <sup>2</sup> C. 8.5 m/s <sup>2</sup>	Question ID : <b>9767558059</b>	
	can stand a maximum tension of 560 N. Assume $g=10 \text{ m/s}^2$ A. 8 m/s <sup>2</sup> B. 9 m/s <sup>2</sup> C. 8.5 m/s <sup>2</sup>		
	can stand a maximum tension of 560 N. Assume g=10 m/s <sup>2</sup> A. 8 m/s <sup>2</sup> B. 9 m/s <sup>2</sup> C. 8.5 m/s <sup>2</sup> D. 7 m/s <sup>2</sup> Water flows in a horizontal pipe of non-uniform area of cross-section at a pressure	Question ID : <b>9767558059</b> Status : <b>Answered</b> Chosen Option : <b>2</b>	
Ans	can stand a maximum tension of 560 N. Assume g=10 m/s <sup>2</sup> A. 8 m/s <sup>2</sup> B. 9 m/s <sup>2</sup> C. 8.5 m/s <sup>2</sup> D. 7 m/s <sup>2</sup> Water flows in a horizontal pipe of non-uniform area of cross-section at a pressur the velocity of water at the larger cross-section of pipe is 50 cm/s, find the velocity	Question ID : <b>9767558059</b> Status : <b>Answered</b> Chosen Option : <b>2</b>	
Ans Q.40	can stand a maximum tension of 560 N. Assume g=10 m/s <sup>2</sup> $\checkmark$ A. 8 m/s <sup>2</sup> $\checkmark$ B. 9 m/s <sup>2</sup> $\checkmark$ C. 8.5 m/s <sup>2</sup> $\checkmark$ D. 7 m/s <sup>2</sup> Water flows in a horizontal pipe of non-uniform area of cross-section at a pressure the velocity of water at the larger cross-section of pipe is 50 cm/s, find the velocity of $\checkmark$ A. $\sqrt{4.09}$	Question ID : <b>9767558059</b> Status : <b>Answered</b> Chosen Option : <b>2</b>	
Ans Q.40	can stand a maximum tension of 560 N. Assume g=10 m/s <sup>2</sup> $\checkmark$ A. 8 m/s <sup>2</sup> $\checkmark$ B. 9 m/s <sup>2</sup> $\checkmark$ C. 8.5 m/s <sup>2</sup> $\checkmark$ D. 7 m/s <sup>2</sup> Water flows in a horizontal pipe of non-uniform area of cross-section at a pressure the velocity of water at the larger cross-section of pipe is 50 cm/s, find the velocition $\checkmark$ A. $\sqrt{4.09}$ $\checkmark$ B. $\sqrt{2.88}$	Question ID : <b>9767558059</b> Status : <b>Answered</b> Chosen Option : <b>2</b>	
Ans Q.40	can stand a maximum tension of 560 N. Assume g=10 m/s <sup>2</sup> $\checkmark$ A. 8 m/s <sup>2</sup> $\Rightarrow$ B. 9 m/s <sup>2</sup> $\checkmark$ C. 8.5 m/s <sup>2</sup> $\checkmark$ D. 7 m/s <sup>2</sup> Water flows in a horizontal pipe of non-uniform area of cross-section at a pressur the velocity of water at the larger cross-section of pipe is 50 cm/s, find the velocition $\bigstar$ A. $\sqrt{4.09}$ $\thickapprox$ B. $\sqrt{2.88}$ $\checkmark$ C. $\sqrt{4.51}$	Question ID : <b>9767558059</b> Status : <b>Answered</b> Chosen Option : <b>2</b>	
Ans Q.40	can stand a maximum tension of 560 N. Assume g=10 m/s <sup>2</sup> $\checkmark$ A. 8 m/s <sup>2</sup> $\checkmark$ B. 9 m/s <sup>2</sup> $\checkmark$ C. 8.5 m/s <sup>2</sup> $\checkmark$ D. 7 m/s <sup>2</sup> Water flows in a horizontal pipe of non-uniform area of cross-section at a pressure the velocity of water at the larger cross-section of pipe is 50 cm/s, find the velocition $\checkmark$ A. $\sqrt{4.09}$ $\checkmark$ B. $\sqrt{2.88}$	Question ID : <b>9767558059</b> Status : <b>Answered</b> Chosen Option : <b>2</b>	
Ans Q.40	can stand a maximum tension of 560 N. Assume g=10 m/s <sup>2</sup> $\checkmark$ A. 8 m/s <sup>2</sup> $\Rightarrow$ B. 9 m/s <sup>2</sup> $\checkmark$ C. 8.5 m/s <sup>2</sup> $\checkmark$ D. 7 m/s <sup>2</sup> Water flows in a horizontal pipe of non-uniform area of cross-section at a pressur the velocity of water at the larger cross-section of pipe is 50 cm/s, find the velocition $\bigstar$ A. $\sqrt{4.09}$ $\thickapprox$ B. $\sqrt{2.88}$ $\checkmark$ C. $\sqrt{4.51}$	Question ID : 9767558059         Status : Answered         Chosen Option : 2         e difference of 1.6 cm of mercury. If         y of water at the other end?	
Ans Q.40	can stand a maximum tension of 560 N. Assume g=10 m/s <sup>2</sup> $\checkmark$ A. 8 m/s <sup>2</sup> $\Rightarrow$ B. 9 m/s <sup>2</sup> $\checkmark$ C. 8.5 m/s <sup>2</sup> $\checkmark$ D. 7 m/s <sup>2</sup> Water flows in a horizontal pipe of non-uniform area of cross-section at a pressur the velocity of water at the larger cross-section of pipe is 50 cm/s, find the velocition $\bigstar$ A. $\sqrt{4.09}$ $\thickapprox$ B. $\sqrt{2.88}$ $\checkmark$ C. $\sqrt{4.51}$	Question ID: 9767558059         Status: Answered         Chosen Option: 2         e difference of 1.6 cm of mercury. If         y of water at the other end?	

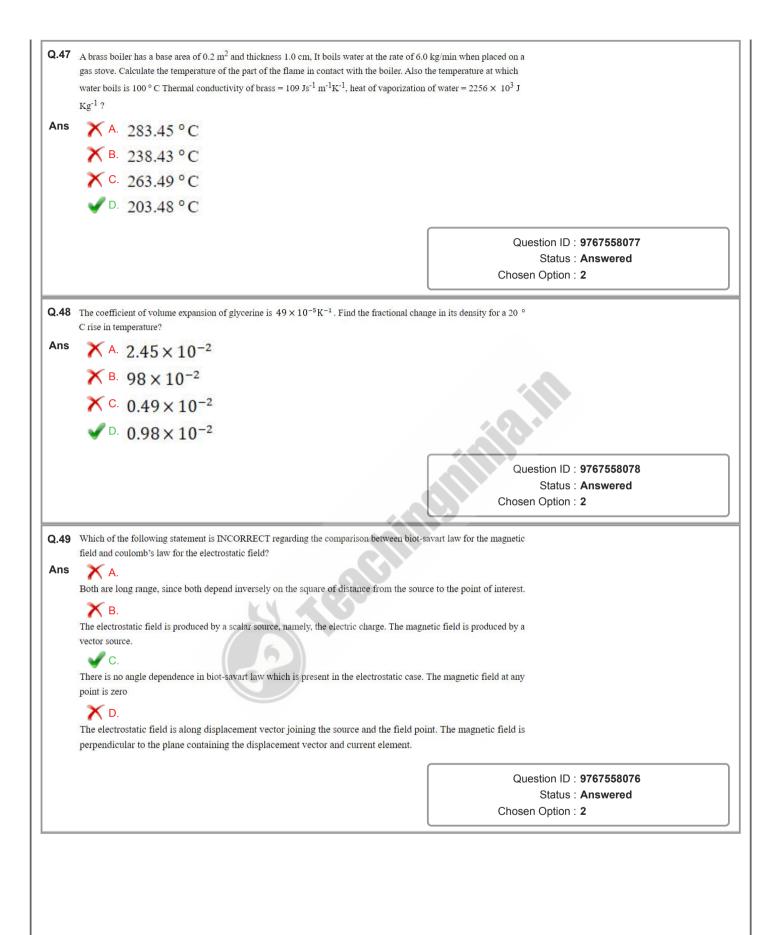


	<ul> <li>The radii of curvature of the faces of a double convex lens are 20 cm and 30 cm. If focal length of the lens is 36 cm, find the refractive index of the material of the lens?</li> <li>A. 1.33 cm</li> </ul>	
Ans		
	<b>×</b> <sup>B</sup> 1.2 cm	
	✓ c. 1.5 cm	
	▶ D. 1.7 cm	
		Question ID : <b>9767558057</b> Status : <b>Answered</b> Chosen Option : <b>1</b>
.42	In a plane electromagnetic wave, the electric field oscillates sinusoidally at a frequency of 36 V/m. Find the amplitude of the oscillating magnetic field?	$3 \times 10^8$ Hz and amplitude
ns	$\times$ 0.5 × 10 <sup>-7</sup> T	
	× в. 1.8×10 <sup>-7</sup> т	
	$\times$ c. 1.6 × 10 <sup>-7</sup> T	
	$\checkmark$ D. 1.2 × 10 <sup>-7</sup> T	
.43	A uniform electric field of 50 $\text{Vm}^{-1}$ is directed at 30 ° with the positive <i>x</i> -axis as shown in g	Question ID : 9767558053 Status : Answered Chosen Option : 2
43		Status : Answered Chosen Option : 2
	A uniform electric field of 50 Vm <sup>-1</sup> is directed at 30 ° with the positive x-axis as shown in g and OB = 8m. Find the potential difference (a) V <sub>B</sub> -V <sub>A</sub> (b) V <sub>0</sub> -V <sub>A</sub> ? $A = \frac{1}{\sqrt{2}} $	Status : Answered Chosen Option : 2
	A uniform electric field of 50 Vm <sup>-1</sup> is directed at 30 ° with the positive x-axis as shown in g and OB = 8m. Find the potential difference (a) V <sub>B</sub> -V <sub>A</sub> (b) V <sub>0</sub> -V <sub>A</sub> ?	Status : Answered Chosen Option : 2
	A uniform electric field of 50 Vm <sup>-1</sup> is directed at 30 ° with the positive x-axis as shown in g and OB = 8m. Find the potential difference (a) V <sub>B</sub> -V <sub>A</sub> (b) V <sub>0</sub> -V <sub>A</sub> ? $A = \frac{1}{\sqrt{2}} $	Status : Answered Chosen Option : 2
.43 ns	A uniform electric field of 50 Vm <sup>-1</sup> is directed at 30 ° with the positive x-axis as shown in g and OB = 8m. Find the potential difference (a) V <sub>B</sub> -V <sub>A</sub> (b) V <sub>0</sub> -V <sub>A</sub> ? $A = (a) - 50 (3\sqrt{3} + 4) V, (b) -150 \sqrt{3} V$ $B = (a) - 50 (3\sqrt{3} + 4) V, (b) -50 \sqrt{3} V$	Status : <b>Answered</b> Chosen Option : <b>2</b>



S	✓ A. 45°		
	× B. 37°		
	× c. 27°		
	× 0. 27 × D. 60°		
	<b>N</b> 60°		
		Question ID : 9767558060	
		Status : Answered	
		Chosen Option : 2	
.45	A galvanometer coil has a resistance of 14 $\Omega$ and the metre for a current of 4 mA. How will you convert the metre into a V?		
ns	ХА.		
	A resistor of resistance 5988 $\Omega$ is to be connected is se	eries with the galvanometer	
	🗙 в.		
	A resistor of resistance 5988 $\Omega$ is to be connected is se	eries with the galvanometer	
	C.		
	A resistor of resistance 3986 $\Omega$ is to be connected is series with the galvanometer		
	·	eries with the galvanometer	
	·	eries with the galvanometer	
	A resistor of resistance 3986 $\Omega$ is to be connected is se		
	A resistor of resistance 3986 $\Omega$ is to be connected is se $\thickapprox$ D.	allel with the galvanometer	
	A resistor of resistance 3986 $\Omega$ is to be connected is se $\thickapprox$ D.	callel with the galvanometer Question ID : 9767558074	
	A resistor of resistance 3986 $\Omega$ is to be connected is se $\thickapprox$ D.	allel with the galvanometer	
	A resistor of resistance 3986 $\Omega$ is to be connected is set $\bigwedge$ D. A resistor of resistance 3986 $\Omega$ is to be connected is par	A chosen Option : 2	
<b>}.46</b>	A resistor of resistance 3986 $\Omega$ is to be connected is se $\thickapprox$ D.	Pallel with the galvanometer Question ID : 9767558074 Status : Answered Chosen Option : 2 Paparated by a distance of 2 cm. The ball	
١.46	A resistor of resistance 3986 $\Omega$ is to be connected is set $\bigwedge$ D. A resistor of resistance 3986 $\Omega$ is to be connected is par The below figure shows a ball of mass 0.6 kg rebounding between two walls set rebounds between the walls every 2 seconds with a uniform velocity. Find the r	Pallel with the galvanometer Question ID : 9767558074 Status : Answered Chosen Option : 2 Paparated by a distance of 2 cm. The ball	
2.46	A resistor of resistance 3986 $\Omega$ is to be connected is set $\bigwedge$ D. A resistor of resistance 3986 $\Omega$ is to be connected is par The below figure shows a ball of mass 0.6 kg rebounding between two walls set	Pallel with the galvanometer Question ID : 9767558074 Status : Answered Chosen Option : 2 Paparated by a distance of 2 cm. The ball	
.46	A resistor of resistance 3986 $\Omega$ is to be connected is set $\bigwedge$ D. A resistor of resistance 3986 $\Omega$ is to be connected is par The below figure shows a ball of mass 0.6 kg rebounding between two walls set rebounds between the walls every 2 seconds with a uniform velocity. Find the r	Pallel with the galvanometer Question ID : 9767558074 Status : Answered Chosen Option : 2 Paparated by a distance of 2 cm. The ball	
	A resistor of resistance 3986 $\Omega$ is to be connected is set $\bigwedge$ D. A resistor of resistance 3986 $\Omega$ is to be connected is par The below figure shows a ball of mass 0.6 kg rebounding between two walls set rebounds between the walls every 2 seconds with a uniform velocity. Find the resistance of the rebound of the second set of the rebound of th	Pallel with the galvanometer Question ID : 9767558074 Status : Answered Chosen Option : 2 Paparated by a distance of 2 cm. The ball	
	A resistor of resistance 3986 $\Omega$ is to be connected is set $\bigwedge$ D. A resistor of resistance 3986 $\Omega$ is to be connected is par The below figure shows a ball of mass 0.6 kg rebounding between two walls set rebounds between the walls every 2 seconds with a uniform velocity. Find the resistance of the formula of the f	Pallel with the galvanometer Question ID : 9767558074 Status : Answered Chosen Option : 2 Paparated by a distance of 2 cm. The ball	
	A resistor of resistance 3986 $\Omega$ is to be connected is set $\nearrow$ D. A resistor of resistance 3986 $\Omega$ is to be connected is par The below figure shows a ball of mass 0.6 kg rebounding between two walls se rebounds between the walls every 2 seconds with a uniform velocity. Find the r $x(m)_{\frac{1}{2},\frac{1}{4},\frac{1}{6},\frac{1}{8},\frac{1}{10},\frac{12}{14},\frac{1}{16},\frac{1}{1(s)}$ A 12 × 10 <sup>-4</sup> kgm/s	Pallel with the galvanometer Question ID : 9767558074 Status : Answered Chosen Option : 2 Paparated by a distance of 2 cm. The ball	
Q.46 Ans	A resistor of resistance 3986 $\Omega$ is to be connected is set $\swarrow$ D. A resistor of resistance 3986 $\Omega$ is to be connected is para The below figure shows a ball of mass 0.6 kg rebounding between two walls se rebounds between the walls every 2 seconds with a uniform velocity. Find the r $x(m)_{\frac{1}{2},\frac{1}{4},\frac{1}{6},\frac{1}{8},\frac{1}{10},\frac{1}{12},\frac{1}{14},\frac{1}{16},\frac{1}{1(s)}$ $\land$ 12 × 10 <sup>-4</sup> kgm/s $\thickapprox$ B. 8 × 10 <sup>-4</sup> kgm/s	Pallel with the galvanometer Question ID : 9767558074 Status : Answered Chosen Option : 2 Paparated by a distance of 2 cm. The ball	
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Q.50	For CE-transistor amplifier, the audio signal voltage across the collected resistance of 3 k $\Omega$ is 3V. Assume the current amplification factor of the transistor is 50, find the input signal voltage and base current, if the base resistance is 1 k $\Omega$ ?		
Ans			
	🗙 c. 0.01V, 10μΑ		
	<b>Χ</b> D. 0.02V, 10μA		
		Question ID : 9767558066 Status : Answered	
		Chosen Option : 2	
Q.51	.51 Assume a parallel plate capacitor which is maintained at potential of 100 V. If the partition distance between the plates of the capacitor and area of the plates are 5 mm and 25 cm <sup>2</sup> respectively. Compute the displacement current for the time in µs?		
Ans	🗙 A. 0.13 mA		
	✓ <sup>B.</sup> 0.44 mA		
	<b>X</b> c. 3.5 mA		
	▶ D. 2.5 mA		
		Question ID : 9767558051 Status : Answered Chosen Option : 2	
Q.52	A ray of light passing through an equilateral triangular glass prism from air undergoes of incidence is 75% of the angle of prism. Compute the speed of light in the prism?	minimum deviation when angle	
Ans	× A. 2.62×10 <sup>8</sup> m/s		
	✓ B. 2.12×10 <sup>8</sup> m/s		
	<b>X</b> C 1 F3 X 108m /s		
	$\times 0.1.32 \times 10^{9} \text{ m/s}$		
		Question ID : 9767558056	
		Status : <b>Answered</b> Chosen Option : <b>2</b>	
Q.53	The diameter of a capillary is 4mm. If Reynolds's number of the tube is 1000 and the co-efficient of viscosity for the water is 0.02 poise, determine the maximum speed of water for the stream line flow in the tube?		
Ans	× A. 200 cm/s		
	× <sup>B.</sup> 50 cm/s		
	✓ <sup>c.</sup> 100 cm/s		
	X D. 1000 cm/s		
		Question ID : 9767558073 Status : Answered	
		Chosen Option : 2	



Q.54	<b>1</b> Two amplifiers are connected one after the other in series (cascaded). The first amplifier has a voltage gain of 12 and the second has a voltage gain of 15. Find the output ac signal if the input signal is 0.05 volt?		
Ans			
	<b>√</b> B. 9 <b>V</b>		
	× c. 180 V		
	X D. 1.8 V		
		Question ID : 9767558068 Status : Answered	
		Chosen Option : 2	
	A copper block of mass 3 kg is heated in a furnace to a temperature placed on a large ice block. Find the maximum amount of ice that ca heat of copper = 0.39 Jg <sup>-1</sup> K <sup>-1</sup> , heat of fusion of water = 335 Jg <sup>-1</sup> K <sup>-1</sup> )		
Ans	🗙 A. 1.68 kg		
	✔ B. 1.57 kg		
	🗙 c. 1.75 kg		
	<b>X</b> D. 1.45 kg		
		Question ID : 9767558079	
		Status : Answered	
		Chosen Option : 2	
Q.56	A toroid has a core (non-ferromagnetic) of inner radius 23 cm and outer radius 28 cm, aroun wire are wound. If the current in the wire is 9 A, find the magnetic field (a) inside the core of target d		
Ans	toroid?		
	$\checkmark$ A. (a) 2.82.0 × 10 <sup>-2</sup> T (b) 0		
	★ B. (a)3.0 x 10 <sup>-2</sup> T (b) 0.5		
	<b>X</b> c. (a) 28.2 T (b) 0		
	▶ D. (a)0.82.0 x 10 <sup>-3</sup> T (b) 0.5		
		Question ID : 9767558075	
		Status : Answered	
		Chosen Option : 2	
Q.57	7 How does the angle of minimum deviation of a glass prism of refractive index 1.5 change, if it is immersed in a liquid of refractive index 1.25?		
Ans	X A. Angle of deviation is constant		
	X B. Angle of deviation is increased		
	✓ <sup>c.</sup> Angle of deviation is decreased		
	➤ D. Angle of deviation is zero		
		Question ID : 9767558055	
		Status : Not Answered	
		Chosen Option :	



