

भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

(SCHEDULE – 'A' MINI RATNA- CATEGORY- 1 PUBLIC SECTOR ENTERPRISES) राजीव गांधी भवन, सफदरजंग हवाई अड्डा, नईदिल्ली- 110003 RAJIV GANDHI BHAWAN, SAFDARJUNG AIRPORT, NEW DELHI-110003

Application Sequence Number		
Participant Id		
Participant Name		
Test Center Name	Nobel Technology and Solution	ons
Test Date	14/07/2025	
Test Time	9:00 AM - 11:00 AM	
Subject	Junior Executive (Air Traffic C	Control)

Section : Part A General Knowledge

QWhich Article of the Indian Constitution deals with the amendment procedure of the Constitution of India?

A 🛷 1. Article 368

1

n s

- X 2. Article 21
- 🗙 3. Article 356
- 🗙 4. Article 370

Question ID : <u>44100939387</u> Option 1 ID : **441009157072** Option 2 ID : <u>441009157074</u> Option 3 ID : <u>441009157071</u> Option 4 ID : <u>441009157073</u> Status : **Answered** Chosen Option : **2**

Q In whom is the executive power of the Union vested as per the Indian Constitution?		
2 A X 1. Prime Minister n s		
🗙 2. Chief Justice of India		
✓ 3. President of India		
X 4. Speaker of the Lok Sabha		
	Question ID : 44100939396 Option 1 ID : 441009157107 Option 2 ID : 441009157110 Option 3 ID : 441009157108 Option 4 ID : 441009157109 Status : Answered Chosen Option : 4	
Q Which of the following rivers is a tributary of the Ganga?		
3 A ↓ 1. Yamuna s × 2. Godavari × 3. Kaveri × 4. Krishna		
	Question ID : <u>44100947424</u> Option 1 ID : 441009188793 Option 2 ID : <u>441009188792</u> Option 3 ID : <u>441009188791</u> Option 4 ID : <u>441009188790</u> Status : Answered Chosen Option : 2	
QWho was honoured with Lifetime Achievement Award for Hospitality and Education in March 2025 at the .Vibrant Bharat Global Summit 2025? 4		
A 🛷 1. Dr. Suborno Bose n		
 S X 2. Neena Gupta X 3. Manasi Parekh X 4. Sithara Krishnakumar 		
	Question ID : <u>44100940031</u> Option 1 ID : <u>441009159654</u> Option 2 ID : <u>441009159653</u> Option 3 ID : <u>441009159655</u> Option 4 ID : <u>441009159656</u> Status : Answered	
	Chosen Option : 2	

QV	Vhat is the approximate east-to-west extent of the northern plains of Inc	lia?
. I		
5		
A n	✓ 1. 3200 km	
s		
	🗙 2. 2200 km	
	🗙 3. 4200 km	
	🗙 4. 1500 km	
		Question ID : <u>44100946467</u>
		Option 1 ID : <u>441009185026</u>
		Option 2 ID : <u>441009185025</u>
		Option 3 ID : <u>441009185024</u>
		Option 4 ID : <u>441009185023</u> Status : Answered
		Chosen Option : 2
L		
QT	he Khilafat Movement, (1919-1920) was a movement of Indian Muslims,	led by <u>.</u>
6		
Å	🗙 1. Maulana Abul Kalam Azad and Lala Lajpat Rai	
n		
s		
	🗙 2. Muhammad Ali and Sardar Vallabhbhai Patel	
	🗙 3. Jawahar Lal Nehru and Shaukat Ali	
	🛷 4. Maulana Mohammed Ali and Maulana Shaukat Ali	
		Question ID : <u>44100939933</u>
		Option 1 ID : <u>441009159264</u>
		Option 2 ID : <u>441009159263</u> Option 3 ID : <u>441009159262</u>
		Option 4 ID : <u>441009159261</u>
		Status : Answered
		Chosen Option : 2
⊢		
QV	Vhy was Caitlin Sandra Neil, a 19-year-old Indian-American from Chenn	ai, in the news in December 2024?
7		
A	ig imes 1. For getting nominated to parliament of USA	
n		
s	X 2. For winning Oscar award	
	 ✓ 3. For winning Miss India USA 2024 	
	X 4. For winning Kalinga prize	
		Question ID : <u>44100962151</u>
		Option 1 ID : <u>441009247640</u>
		Option 2 ID : 441009247641
		Option 3 ID : <u>441009247639</u>
		Option 4 ID : <u>441009247638</u>
		Status : Answered
		Chosen Option : 3

Q Which of the following is identified as a major reason for the decline in the growth rate of agriculture post- . 1991? 8	
A X 1. Higher agricultural productivity	
S	
2. Decline in public investment in the agriculture sector	
X 3. Increase in agricultural subsidies	
X 4. Growth of the service sector	
	Question ID : 44100943764
	Option 1 ID : 441009174505
	Option 2 ID : 441009174503
	Option 3 ID : <u>441009174504</u>
	Option 4 ID : <u>441009174506</u> Status : Answered
	Chosen Option : 2
Q Shyama Shastri is considered the greatest composers of which kind of r	nusic in India?
9	
A 🗙 1. Raga	
n s	
2. Carnatic	
🗙 3. Thumri	
X 4. Folk	
	Question ID : <u>44100946730</u>
	Option 1 ID : <u>441009186063</u>
	Option 2 ID : <u>441009186064</u>
	Option 3 ID : <u>441009186061</u> Option 4 ID : <u>441009186062</u>
	Status : Answered
	Chosen Option : 3
Q Who was honoured with the Pravasi Bharatiya Samman Award in Janua	v 2025 for contributions to
. Medical Science?	,
1 0	
A 🗙 1. Dr. Shobit Kumar	
n s	
🗙 2. Dr. Ramendra Kumar	
🗙 3. Dr. Rohit Kumar	
🛹 4. Dr. Prem Kumar	
	Question ID : <u>44100940114</u>
	Option 1 ID : <u>441009159983</u> Option 2 ID : 441009159984
	Option 3 ID : <u>441009159982</u>
	Option 4 ID : <u>441009159981</u>
	Status : Answered
	Chosen Option : 2
Section : Part A General Intelligence	

Q In the following triad, each group of letters is related to the subsequent one following a certain logic. . Select from the given options, the one which follows the same logic. 1		
T FROM-ROFM-OFRM DUST-USDT-SDUT		
A X 1. TOES-TSOE-OETS		
n s		
🗙 2. JUMP-PJUM-MPJO		
✓ 3. HAIR-AIHR-IHAR		
🗙 4. ВІТЕ-ІТЕВ-ТЕВІ		
	Question ID : <u>44100939817</u> Option 1 ID : <u>441009158797</u> Option 2 ID : <u>441009158800</u> Option 3 ID : <u>441009158799</u> Option 4 ID : <u>441009158798</u> Status : Answered Chosen Option : 3	
Q In a certain code language, 'LOUNGE' is coded as '80' and 'PARCEL' is c .'ZEALOT' in the given code language? 2	oded as '61'. What is the code for	
A 🔀 1.83		
n s		
X 2. 86		
✓ 3. 85		
X 4. 79		
	Question ID : <u>44100939034</u> Option 1 ID : <u>441009155675</u> Option 2 ID : <u>441009155677</u> Option 3 ID : <u>441009155676</u> Option 4 ID : <u>441009155674</u> Status : Answered Chosen Option : 3	
QBased on the English alphabetical order, three of the following four letter-clusters are alike in a certain . way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out 3 is not based on the number of consonants/vowels or their position in the letter-cluster.)		
A X 1. FPJ n		
s X 2. BLF		
 ✓ 2. DLF ✓ 3. JTM 		
× 4. MWQ		
	Question ID : <u>44100939794</u> Option 1 ID : 441009158710	
	Option 2 ID : <u>441009158709</u>	
	Option 3 ID : <u>441009158711</u> Option 4 ID : <u>441009158712</u>	
	Status : Answered	
	Chosen Option : 3	

QWhat will come in the place of the question mark (?) in the following equation, if '+' and '–' are . interchanged, and '×' and '÷' are interchanged?		
4 47 ÷ 44 × 2,068 + 221 - 223 = ? A \swarrow 11 s \checkmark 2. 3 \bigstar 3. 1 \bigstar 4. 2		
	Question ID : <u>44100940273</u> Option 1 ID : <u>441009160608</u> Option 2 ID : <u>441009160611</u> Option 3 ID : <u>441009160609</u> Option 4 ID : <u>441009160610</u> Status : Answered Chosen Option : 3	
 Q Refer to the following number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers. (Note: 1 is a perfect square.) 5 (Left) 1 4 2 3 9 4 8 1 5 7 9 7 2 5 1 3 4 6 7 8 2 9 5 6 3 6 8 (Right) How many such perfect squares are there, each of which is immediately preceded by an even digit and immediately followed by an odd digit? A		
n s 2. Two X 3. One X 4. None		
	Question ID : <u>44100938978</u> Option 1 ID : <u>441009155462</u> Option 2 ID : <u>441009155461</u> Option 3 ID : <u>441009155460</u> Option 4 ID : <u>441009155459</u> Status : Answered Chosen Option : 2	

Q Refer to the following letter and symbol series and answer the question that follows. Counting to be done . from left to right only. 6	
(LEFT) L # ? M ! / + O K @ N & A % E * \$ J = P { (RIGHT)	
How many such symbols are there that are immediately preceded by a letter and immediately followed by another symbol?	
A X 1. One n	
s	
X 2. None	
 ✓ 3. Three ✓ 4. Two 	
	Question ID : <u>44100938960</u>
	Option 1 ID : <u>441009155388</u> Option 2 ID : <u>441009155387</u>
	Option 3 ID : <u>441009155390</u>
	Option 4 ID : <u>441009155389</u>
	Status : Answered Chosen Option : 3
Q In a certain code language,	
7 'A + B' means 'A is the brother of B', 'A – B' means 'A is the sister of B', 'A / B' means 'A is the husband of B', 'A ! B' means 'A is the mother of B', 'A × B' means 'A is the wife of B', 'A * B' means A is the father of B. How is O related to P if 'S × T * O – P ! V' ?	
A 🛹 1. Sister	
n s	
🗙 2. Daughter	
🗙 3. Mother's mother	
🗙 4. Mother	
	Question ID : <u>44100939757</u> Option 1 ID : <u>441009158559</u> Option 2 ID : <u>441009158558</u> Option 3 ID : <u>441009158560</u> Option 4 ID : <u>441009158557</u> Status : Answered Chosen Option : 1

Q Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.	
8 (Left) S I N G L E R O F I H T P Q D U B W N M J A K E V G P (Right)	
How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel? A 1. Two s 2. Three 3. Four 4. One	
	Question ID : <u>44100939517</u> Option 1 ID : <u>441009157593</u> Option 2 ID : <u>441009157592</u> Option 3 ID : <u>441009157591</u> Option 4 ID : <u>441009157594</u> Status : Answered Chosen Option : 2
Q Based on the English alphabetical order, three of the following four lette . certain way and thus form a group. Which letter-cluster pair DOES NOT 9 odd one out is not based on the number of consonants/vowels or their p A ✓ 1. KQ-WX n s X 2. JP-TX X 3. FK-PS X 4. BG-LO	belong to that group? (Note: The
	Question ID : <u>44100939776</u> Option 1 ID : <u>441009158636</u> Option 2 ID : <u>441009158635</u> Option 3 ID : <u>441009158634</u> Option 4 ID : <u>441009158633</u> Status : Answered Chosen Option : 1

QWhich of the following letter-number clusters will replace the question mark (?) in the given series to . make it logically complete?		
1 0 AFH10 DJK15 GNN20 JRQ25 ? A ✓ 1. MVT30 n s X 2. LUS35 X 3. IQP30 X 4. KSR30		
	Question ID : <u>44100938984</u> Option 1 ID : <u>441009155484</u> Option 2 ID : <u>441009155486</u> Option 3 ID : <u>441009155483</u> Option 4 ID : <u>441009155485</u> Status : Answered Chosen Option : 1	
 Q Six students, Tejas, Rashmi, Pragya, Amit, Shiva and Vijay, are sitting in . sits second to the left of Vijay. Only one student is between Vijay and Am 1 Pragya. Rashmi is not an immediate neighbour of Tejas. 1 Who sits second to the left of Pragya? A		
	Question ID : <u>44100938935</u> Option 1 ID : <u>441009155288</u> Option 2 ID : <u>441009155290</u> Option 3 ID : <u>441009155289</u> Option 4 ID : <u>441009155287</u> Status : Answered Chosen Option : 4	
Q Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. C is . kept immediately below E and immediately above A. B is kept immediately below A and immediately 1 above D. F is kept immediately below D and immediately above G. How many boxes are kept between A 2 and G?		
A X 1. One S 2. Three X 3. Four X 4. Two	Question ID : <u>44100938931</u> Option 1 ID : <u>441009155271</u> Option 2 ID : <u>441009155273</u> Option 3 ID : <u>441009155274</u> Option 4 ID : <u>441009155272</u> Status : Answered Chosen Option : 2	

Q In a certain code language, 'heaven on earth' is coded as 'mo bk fd' and . ko'. How is 'earth' coded in the given language? 1 3 A ★ 1. zo n s 2. bk ★ 3. mo ◆ 4. fd	Question ID : <u>44100938949</u> Option 1 ID : 441009155344 Option 2 ID : <u>441009155345</u> Option 3 ID : <u>441009155346</u> Option 4 ID : <u>441009155343</u>	
	Status : Answered Chosen Option : 4	
Q Which of the following letter-number clusters will replace the question n . make it logically complete? 1	nark (?) in the given series to	
4 BTE9 DQI12 FNM15 HKQ18 ? A ✓ 1. JHU21 s × 2. KIV21 × 3. IGW19 × 4. LFZ21		
	Question ID : <u>44100938989</u> Option 1 ID : <u>441009155506</u> Option 2 ID : <u>441009155503</u> Option 3 ID : <u>441009155504</u> Option 4 ID : <u>441009155505</u> Status : Answered Chosen Option : 1	
QPARENTS is related to TEVIRXW in a certain way based on the English alphabetical order. In the same . way, ACHIEVE is related to EGLMIZI. To which of the given options is PROUDLY related, following the 1 same logic? 5		
A X 1. TSVYHRC n s 2. TVSYHPC X 3. TWSZIQC X 4. TVTZIPC		
	Question ID : <u>44100939578</u> Option 1 ID : <u>441009157837</u> Option 2 ID : <u>441009157838</u> Option 3 ID : <u>441009157836</u> Option 4 ID : <u>441009157835</u> Status : Answered Chosen Option : 2	

Section : Part A General Aptitude	
QIn a circular race of 3700 m, Raju and Shiv start from the same point at the same time, running at speeds . of 72 km/hr and 108 km/hr, respectively. When will they meet again for the first time on the track if they are 1 running in the same direction?	
A X 1. 380 seconds	
s	
X 2. 360 seconds	
X 3. 350 seconds	
✓ 4. 370 seconds	
	Question ID : <u>44100955044</u> Option 1 ID : <u>441009219143</u> Option 2 ID : <u>441009219141</u> Option 3 ID : <u>441009219140</u> Option 4 ID : <u>441009219142</u> Status : Answered Chosen Option : 4
Q The ratio of the costs of orange juice and apple juice is 5 : 6 and the rati . a family is 6 : 7. Find the ratio of the expenditures on orange juice and a 2	
A 🗙 1.3:5 n	
S	
X 2.5:6	
✓ 3.5:7	
X 4.6∶7	
	Question ID : <u>44100956835</u> Option 1 ID : <u>441009226169</u> Option 2 ID : <u>441009226170</u> Option 3 ID : <u>441009226171</u> Option 4 ID : <u>441009226172</u> Status : Answered Chosen Option : 3
^Q What is the value of 3 ³ × 125 ÷ (11 − 6) − 1 − 20% of 25 + 4 + 17 − 1 × 33?	
3 A ★ 1.402 n s ★ 2.311 ★ 3.578 ★ 4.657	
	Question ID : <u>44100951607</u> Option 1 ID : <u>441009205581</u> Option 2 ID : <u>441009205580</u> Option 3 ID : <u>441009205582</u> Option 4 ID : <u>441009205583</u> Status : Answered Chosen Option : 4

Q What is the total area (in m²) of the four walls of a room if the length, width, and height of the room are 50	
. m, 30 m, and 60 m, respectively? 4	
1. 9200	
s	
★ 2. 9800★ 3. 9400	
 ✓ 4. 9600 	
4. 5000	
	Question ID : <u>44100953265</u>
	Option 1 ID : <u>441009212120</u> Option 2 ID : <u>441009212123</u>
	Option 3 ID : <u>441009212123</u>
	Option 4 ID : 441009212122
	Status : Answered
	Chosen Option : 4
Q An athlete crosses 4500 m distance in 15 minutes. What is his speed in I	m/hr?
5	
A 🗙 1. 22	
n s	
✓ 2. 18	
X 3. 20	
X 4. 16	
	Question ID : <u>44100955030</u> Option 1 ID : <u>441009219087</u>
	Option 2 ID : <u>441009219085</u>
	Option 3 ID : <u>441009219086</u>
	Option 4 ID : 441009219084 Status : Answered
	Chosen Option : 2
Q Aman needs to save ₹5,00,000 for a down payment on a house, which he . now. If his investment grows at an annual compound interest rate of 5%,	
6 amount he needs to invest? (Ignore the decimal part in your answer.)	
A X 1.₹4,45,102 n	
s	
✔ 2. ₹4,11,351	
🗙 3. ₹4,31,105	
★ 4. ₹4,22,305	
	Question ID : <u>44100951510</u>
	Option 1 ID : <u>441009205188</u>
	Option 2 ID : <u>441009205191</u>
	Option 3 ID : <u>441009205189</u> Option 4 ID : <u>441009205190</u>
	Status : Answered
	Chosen Option : 2

QRashmi deposited ₹8,000 in a bank that promised 12% simple interest per annum. If Rashmi kept the · money with the bank for 9 years, how much simple interest will she earn? 7		
A X 1.₹8,740 n s		
🗙 2. ₹8,940		
🗙 3. ₹8,840		
✔ 4.₹8,640		
	Question ID : <u>44100953441</u> Option 1 ID : <u>441009212755</u> Option 2 ID : <u>441009212757</u> Option 3 ID : <u>441009212756</u> Option 4 ID : <u>441009212754</u> Status : Answered Chosen Option : 4	
Q A number is increased by 25% and then it is decreased by 25%. What is a value of the number?	the percentage change in the final	
A v 1. 6.25% decrease		
s		
X 2. 7.52% increase		
X 3. 8.45% decrease		
X 4. No change		
	Question ID : <u>44100951673</u> Option 1 ID : <u>441009205847</u> Option 2 ID : <u>441009205846</u> Option 3 ID : <u>441009205845</u> Option 4 ID : <u>441009205844</u> Status : Answered Chosen Option : 1	
Q A shopkeeper sells an article for ≹1,269 at a 10% loss. What should have been his selling price to earn a .10% profit? 9		
A X 1. ₹1,413 n		
s		
Х 2. ₹1,501		
✔ 3.₹1,551		
Х 4. ₹1,487		
	Question ID : <u>44100951694</u> Option 1 ID : <u>441009205931</u> Option 2 ID : <u>441009205929</u> Option 3 ID : <u>441009205928</u> Option 4 ID : <u>441009205930</u> Status : Answered Chosen Option : 3	

QAnil and Shawan together have ₹5,250. On taking ₹750 from Anil, Anil wi Shawan had earlier. Find the ratio of amounts with Anil and Shawan initi A X 1.5:3 x 2.3:5 X 3.5:7 v 4.4:3	
QA paint manufacturer combines three types of paints priced at ₹50/litre, 5 • the mixture at ₹100/litre, earning a profit of 25%. If the mixture contains 7 1 of the following CANNOT be the amount of the first variant included in th 1 A X 1.4 litres s 2.5 litres X 3.2 litres X 4.3 litres	7 litres of the third variant, which
	Question ID : <u>44100949452</u> Option 1 ID : <u>441009197086</u> Option 2 ID : <u>441009197087</u> Option 3 ID : <u>441009197084</u> Option 4 ID : <u>441009197085</u> Status : Answered Chosen Option : 1
QA cistern is normally filled in 40 minutes by an inlet pipe. Due to a leak, i the cistern completely. How long would the leak alone take to empty the 1 A ★ 1.150 min s ✓ 2.200 min ★ 3.100 min ★ 4.250 min	



Q Select the most appropriate meaning of the given idiom.

1 Bite off more than you can chew

A 🗙 1. To eat too quickly

n s

 \mathbf{X} 2. To take things slowly

- \mathbf{X} 3. To refuse to help others
- ✓ 4. To take on more responsibility than you can handle

Question ID : <u>44100934391</u>	
Option 1 ID : <u>441009136983</u>	
Option 2 ID : 441009136985	
Option 3 ID : <u>441009136984</u>	
Option 4 ID : <u>441009136982</u>	
Status : Answered	
Chosen Option : 4	

Q Select the most appropriate meaning of the given word.

2 Implacable

- A 🛷 1. Unable to be appeased
- n s
- X 2. Easily calmed
- X 3. Peaceful
- 🗙 4. Optimistic

Question ID : <u>44100965382</u>
Option 1 ID : <u>441009260531</u>
Option 2 ID : <u>441009260530</u>
Option 3 ID : 441009260529
Option 4 ID : <u>441009260532</u>
Status : Answered
Chosen Option : 1

Q Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to . form a meaningful and coherent paragraph.	
 3 A. The rapid advancement of artificial intelligence (AI) has sparked intense debates about its potential to disrupt job markets globally. B. Despite these concerns, many experts argue that AI could enhance productivity and create new opportunities in various sectors. C. AI, if properly regulated, could play a pivotal role in shaping industries like healthcare, and manufacturing. D. As the technology continues to evolve, it is crucial to consider its ethical implications and how it may impact society in both positive and negative ways. 	
A v 1. ADBC	
s	
X 2. ABCD	
🗙 3. BCAD	
🗙 4. CABD	
	Question ID : <u>44100957353</u>
	Option 1 ID : <u>441009228242</u>
	Option 2 ID : 441009228239
	Option 3 ID : <u>441009228240</u>
	Option 4 ID : <u>441009228241</u> Status : Answered
	Chosen Option : 2
	·
. grammatical error. 4 A. She do not understand B. the concept, C. so the teacher explained D. it again. A ✓ 1. A	
n s X 2. D X 3. C X 4. B	Question ID : <u>44100934513</u> Option 1 ID : <u>441009137466</u> Option 2 ID : <u>441009137469</u> Option 3 ID : <u>441009137468</u> Option 4 ID : <u>441009137467</u> Status : Answered Chosen Option : 1
n s x 2. D x 3. C	Option 1 ID : <u>441009137466</u> Option 2 ID : <u>441009137469</u> Option 3 ID : <u>441009137468</u> Option 4 ID : <u>441009137467</u> Status : Answered
n s x 2. D x 3. C	Option 1 ID : <u>441009137466</u> Option 2 ID : <u>441009137469</u> Option 3 ID : <u>441009137468</u> Option 4 ID : <u>441009137467</u> Status : Answered
n s x 2. D x 3. C	Option 1 ID : <u>441009137466</u> Option 2 ID : <u>441009137469</u> Option 3 ID : <u>441009137468</u> Option 4 ID : <u>441009137467</u> Status : Answered
n s x 2. D x 3. C	Option 1 ID : <u>441009137466</u> Option 2 ID : <u>441009137469</u> Option 3 ID : <u>441009137468</u> Option 4 ID : <u>441009137467</u> Status : Answered
n s x 2. D x 3. C	Option 1 ID : <u>441009137466</u> Option 2 ID : <u>441009137469</u> Option 3 ID : <u>441009137468</u> Option 4 ID : <u>441009137467</u> Status : Answered
n s x 2. D x 3. C	Option 1 ID : <u>441009137466</u> Option 2 ID : <u>441009137469</u> Option 3 ID : <u>441009137468</u> Option 4 ID : <u>441009137467</u> Status : Answered
n s x 2. D x 3. C	Option 1 ID : <u>441009137466</u> Option 2 ID : <u>441009137469</u> Option 3 ID : <u>441009137468</u> Option 4 ID : <u>441009137467</u> Status : Answered

Q Select the most appropriate preposition to fill in the blank. 5 I am going to science fair that is being held _____ our town. A 🟋 1. at n s 🗙 2. on 🕜 3. in 🗙 4. by Question ID : 44100951858 Option 1 ID : 441009206572 Option 2 ID : 441009206574 Option 3 ID : 441009206573 Option 4 ID : 441009206575 Status : Answered Chosen Option : 3 Q Select the most appropriate ANTONYM of the given word. 6 Obsequious A 🗙 1. Evasive n s X 2. Proud 3. Assertive 🗙 4. Submissive Question ID : 44100965329 Option 1 ID : 441009260336 Option 2 ID : 441009260333 Option 3 ID : 441009260335 Option 4 ID : 441009260334 Status : Answered Chosen Option : 1 Q Select the correct future tense form of the word in brackets in the given sentence. 7 By the time you arrive, I _____ (finish) my homework. 1. will have finished Α 🗙 2. will finish 🗙 3. am finishing X 4. will be finishing Question ID : 44100964714 Option 1 ID : 441009257805 Option 2 ID : 441009257803 Option 3 ID : 441009257806 Option 4 ID : 441009257804 Status : Answered Chosen Option : 1

Q Select the most appropriate article to fill in the blank. If no article is need. 8 It was one-in-a-million opportunity, and I couldn't pass it up. A X 1. No article required n s X 2. the X 3. an	led, select 'No article require	d'.
✔ 4. a	Option 1 ID Option 2 ID Option 3 ID Option 4 ID	 44100964695 441009257727 441009257726 441009257725 441009257724 Answered 4
Q Select the option that can be used as a one-word substitute for the given . One who walks on ropes 9 A ★ 1. lconclast s ★ 2. Somniloquist ★ 3. Noctambulist ↓ 4. Funambulist	Question ID Option 1 ID	- <u>44100946593</u> - 441009185525 - 444000185522
	Option 3 ID Option 4 ID	441009185523 441009185524 441009185526 Answered 4
 Q Select the option that rectifies the incorrectly spelt word in the given set in the advise really helped me in making the right decision. A ★ 1. advije s ★ 2. adbise ★ 3. adwise ★ 4. advice 		: <u>44100965317</u>
	Option 2 ID Option 3 ID Option 4 ID	441009260287 441009260285 441009260288 441009260288 441009260286 Answered 4

Q Select the most appropriate idiom that means the same as the given phrase.		
1 To be in a difficult or troublesome situation		
1 A X 1. Bite the bullet		
s X 2. The ball is in your court		
 ✓ 3. Between a rock and a hard place 		
X 4. A blessing in disguise		
	Question ID : <u>44100965252</u> Option 1 ID : <u>441009260036</u> Option 2 ID : <u>441009260035</u> Option 3 ID : <u>441009260034</u> Option 4 ID : <u>441009260033</u> Status : Answered Chosen Option : 3	
Q Select the most appropriate option to fill in the blank.		
1 The weather has been unpredictable this season,	making it difficult to plan outdoor activities.	
2		
A v 1. extremely n		
s		
 X 2. rarely X 3. infrequently 		
X 4. occasionally		
	Question ID : <u>44100965087</u>	
	Option 1 ID : <u>441009259377</u>	
	Option 2 ID : <u>441009259380</u> Option 3 ID : <u>441009259379</u>	
	Option 4 ID : <u>441009259378</u>	
	Status : Answered	
	Chosen Option : 1	
Q Select the option that can be used as a one-word substitut . Study of the law of the flow of the water and other liquids 1	te for the given group of words.	
3 A 🛷 1. Hydraulics		
n		
s X 2. Consummate		
X 3. Teetotaller		
X 4. Quixotic		
	Question ID : <u>44100946603</u> Option 1 ID : 441009185563	
	Option 1 ID : 441009185565 Option 2 ID : 441009185565	
	Option 3 ID : 441009185564	
	Option 4 ID : <u>441009185566</u>	
	Status : Answered Chosen Option : 1	

 Q Sentences of a paragraph are given below in jumbled order. Arrange the s. form a meaningful and coherent paragraph. 4 A. In modern times, environmental sustainability has become a critical is: B. Many industries have adopted eco-friendly practices to reduce their ca C. Governments and organisations are also working towards creating pol technologies. D. This movement aims to preserve the earth's resources for future generation of the second seco	sue. Irbon footprint. licies that encourage green
Q Select the option that rectifies the incorrectly spelt word in the given sent	lance
1 He gave an embaressing presentation during the meeting.	lence.
5 A X 1. embarassing	
n s	
X 2. embarasing	
🗙 3. embarrasment	
✓ 4. embarrassing	
	Question ID : <u>44100965304</u> Option 1 ID : <u>441009260237</u> Option 2 ID : <u>441009260238</u> Option 3 ID : <u>441009260239</u> Option 4 ID : <u>441009260240</u> Status : Answered Chosen Option : 1

Read the given passage and answer the questions that follow.

Attending school then was sheer joy. I loved being a student. I loved learning. School was the place of ecstasy — pleasure and danger. To be changed by ideas was pure pleasure. But to learn ideas that ran counter to values and beliefs learnt at home was to place oneself at risk, to enter the danger zone. Home was the place where I was forced to conform to someone else's image of who and what I should be. School was the place where I could forget that self and, through ideas, reinvent myself.

School changed utterly with racial integration. Gone was the messianic zeal to transform our minds and beings that had characterised teachers and their pedagogical practices in our all-black schools. Knowledge was suddenly about information only. It had no relation to how one lived, behaved. It was no longer connected to antiracist struggle. Bussed to white schools, we soon learnt that obedience, and not a zealous will to learn, was what was expected of us. Too much eagerness to learn could easily be seen as a threat to white authority.

SubQuestion No: 16

QWhat can be inferred about the role of teachers in all-black schools before integration?

6 A n

✓ 1. They saw education as a means of personal and political transformation.

s

X 2. They focused strictly on academic performance.

X 3. They discouraged the questioning authority.

X 4. They were poorly trained and uninspired.

Question ID : <u>44100967034</u> Option 1 ID : <u>441009266894</u> Option 2 ID : <u>441009266892</u> Option 3 ID : <u>441009266893</u> Option 4 ID : <u>441009266895</u> Status : **Answered** Chosen Option : **4**

Read the given passage and answer the questions that follow.

Attending school then was sheer joy. I loved being a student. I loved learning. School was the place of ecstasy — pleasure and danger. To be changed by ideas was pure pleasure. But to learn ideas that ran counter to values and beliefs learnt at home was to place oneself at risk, to enter the danger zone. Home was the place where I was forced to conform to someone else's image of who and what I should be. School was the place where I could forget that self and, through ideas, reinvent myself.

School changed utterly with racial integration. Gone was the messianic zeal to transform our minds and beings that had characterised teachers and their pedagogical practices in our all-black schools. Knowledge was suddenly about information only. It had no relation to how one lived, behaved. It was no longer connected to antiracist struggle. Bussed to white schools, we soon learnt that obedience, and not a zealous will to learn, was what was expected of us. Too much eagerness to learn could easily be seen as a threat to white authority.

SubQuestion No: 17

Q What is the central theme of the passage?

7 A n

A X 1. The differences between public and private schools

s

2. The impact of changing educational environments on black students

X 3. The role of comic books in children's education

X 4. The importance of racial integration in schools

Question ID : <u>44100967032</u>
Option 1 ID : <u>441009266887</u>
Option 2 ID : 441009266885
Option 3 ID : <u>441009266886</u>
Option 4 ID : <u>441009266884</u>
Status : Answered
Chosen Option : 2

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Read the given passage and answer the questions that follow.

Attending school then was sheer joy. I loved being a student. I loved learning. School was the place of ecstasy — pleasure and danger. To be changed by ideas was pure pleasure. But to learn ideas that ran counter to values and beliefs learnt at home was to place oneself at risk, to enter the danger zone. Home was the place where I was forced to conform to someone else's image of who and what I should be. School was the place where I could forget that self and, through ideas, reinvent myself.

School changed utterly with racial integration. Gone was the messianic zeal to transform our minds and beings that had characterised teachers and their pedagogical practices in our all-black schools. Knowledge was suddenly about information only. It had no relation to how one lived, behaved. It was no longer connected to antiracist struggle. Bussed to white schools, we soon learnt that obedience, and not a zealous will to learn, was what was expected of us. Too much eagerness to learn could easily be seen as a threat to white authority.

SubQuestion No: 18

Q In the passage, what does the word 'pedagogical' refer to?

8 A n

A 🗙 1. A type of student behaviour

X 2. A style of writing

- ✓ 3. Teaching methods and practices
- X 4. A form of political activism

Question ID : <u>44100967033</u> Option 1 ID : <u>441009266890</u> Option 2 ID : <u>441009266888</u> Option 3 ID : <u>441009266889</u> Option 4 ID : <u>441009266891</u> Status : **Answered** Chosen Option : **3**

Read the given passage and answer the questions that follow.

Attending school then was sheer joy. I loved being a student. I loved learning. School was the place of ecstasy — pleasure and danger. To be changed by ideas was pure pleasure. But to learn ideas that ran counter to values and beliefs learnt at home was to place oneself at risk, to enter the danger zone. Home was the place where I was forced to conform to someone else's image of who and what I should be. School was the place where I could forget that self and, through ideas, reinvent myself.

School changed utterly with racial integration. Gone was the messianic zeal to transform our minds and beings that had characterised teachers and their pedagogical practices in our all-black schools. Knowledge was suddenly about information only. It had no relation to how one lived, behaved. It was no longer connected to antiracist struggle. Bussed to white schools, we soon learnt that obedience, and not a zealous will to learn, was what was expected of us. Too much eagerness to learn could easily be seen as a threat to white authority.

SubQuestion No: 19

QWhy might the author describe school post-integration as less fulfilling?

9 A

A 🗙 1. Because the curriculum was outdated

n s

2. Because learning no longer encouraged critical thought or resistance

- X 3. Because the facilities were worse than in all-black schools
- X 4. Because black students received less homework

Question ID : <u>44100967036</u> Option 1 ID : <u>441009266900</u> Option 2 ID : <u>441009266903</u> Option 3 ID : <u>441009266902</u> Option 4 ID : <u>441009266901</u> Status : **Answered** Chosen Option : **2**

https://cdn.digialm.com//per/g01/pub/1258/touchstone/Asse..5751742421122/215206100020_1258025133S3D1651E1.html

Read the given passage and answer the questions that follow.

Attending school then was sheer joy. I loved being a student. I loved learning. School was the place of ecstasy — pleasure and danger. To be changed by ideas was pure pleasure. But to learn ideas that ran counter to values and beliefs learnt at home was to place oneself at risk, to enter the danger zone. Home was the place where I was forced to conform to someone else's image of who and what I should be. School was the place where I could forget that self and, through ideas, reinvent myself.

School changed utterly with racial integration. Gone was the messianic zeal to transform our minds and beings that had characterised teachers and their pedagogical practices in our all-black schools. Knowledge was suddenly about information only. It had no relation to how one lived, behaved. It was no longer connected to antiracist struggle. Bussed to white schools, we soon learnt that obedience, and not a zealous will to learn, was what was expected of us. Too much eagerness to learn could easily be seen as a threat to white authority.

SubQuestion No : 20

QWhat is the synonym of 'ecstasy' as used in the passage?

2 0 A ★ 1. Boredom s ★ 2. Confusion 3. Joy ★ 4. Sadness	Question ID : <u>44100967035</u> Option 1 ID : <u>441009266899</u> Option 2 ID : <u>441009266898</u> Option 3 ID : <u>441009266897</u> Option 4 ID : <u>441009266896</u> Status : Answered Chosen Option : 3
Section : Part B Discipline related QFor a fixed pressure, the volume of a gas is proportional to its a 1 A X 1. Boyle's law n s X 2. Avogadro's hypothesis X 3. Dalton's law V 4. Charles' law	
	Question ID : <u>441009149395</u> Option 1 ID : <u>441009593336</u> Option 2 ID : <u>441009593338</u> Option 3 ID : <u>441009593339</u> Option 4 ID : <u>441009593337</u> Status : Answered Chosen Option : 1



Q A cell of emf ε and internal resistance r is being used in a closed electric circuit. If the current flowing . through the cell is I and the terminal potential difference across the cell is V, then which following 5 represents the correct relation between ε and V?		
A 🗙 1. V = ε + Ir		
n s		
\checkmark 2. V = ε – Ir		
-		
\mathbf{X} 3. V = $\mathbf{\epsilon} \times \mathbf{lr}$		
\mathbf{X} 4. V = ϵ/lr		
		441009108368
		: <u>441009431456</u> : 441009431455
		: <u>441009431457</u>
		441009431454
		Answered
	Chosen Option	:1
)
QWhich of the following is a subset of the set of isosceles triangle?		
6		
A v 1. Set of all equilateral triangles		
n		
s		
X 2. Set of all scalene triangles		
🗙 3. Set of all right-angled triangles		
X 4. Set of all triangles		
	Question ID	441009118654
	Option 1 ID	441009471758
		441009471761
		<u>441009471760</u>
		<u>441009471759</u>
	Chosen Option	Answered
	Chosen Option	5
OWhich of the following angles is some as 1359 2		
QWhich of the following angles is same as 135°?		
7		
A ✓ 1225°		
s		
<u>× 2. −45</u> °		
× 3. −135°		
× 4 −315°		
<u>∧ 313 -</u>		
	Question ID	44100998457
		: 441009391940
		441009391942
		441009391941
	Option 4 ID	<u>441009391939</u>
		Answered
	Chosen Option	: 1

Q A point charge Q is placed at the centre of a spherical conducting shell r_2 . What is the electric field (E) at a point inside the conducting shell (at A \times 1. E = Q/4 $\pi\epsilon_0 r_1^2$ s \sim 2. E = Q/4 $\pi\epsilon_0 r_2^2$ \sim 3. E = Q/4 $\pi\epsilon_0 r^2$ \sim 4. E = 0	of inner radius r ₁ and outer radius a distance r where r ₁ < r< r ₂)?
	Question ID : <u>441009130415</u> Option 1 ID : <u>441009518049</u> Option 2 ID : <u>441009518050</u> Option 3 ID : <u>441009518048</u> Option 4 ID : <u>441009518047</u> Status : Answered Chosen Option : 3
Q A parallel plate capacitor with air between the plates of the capacitor is 0 . constant k is introduced between the plates of the capacitor, its capacita 9 is the correct relation between C and C'? A ✓ 1. C' = kC n s × 2. C' = k ² C × 3. C' = k/C × 4. C' = k ² /C	
	Question ID : <u>441009109735</u> Option 1 ID : <u>441009436671</u> Option 2 ID : <u>441009436669</u> Option 3 ID : <u>441009436670</u> Option 4 ID : <u>441009436672</u> Status : Answered Chosen Option : 1
 Q In a single slit diffraction pattern, how does the angular width of the cent increasing slit width? A ★ 1. It will remain same. n x 2. It will increase. ★ 3. It may increase or decrease. ✓ 4. It will decrease. 	tral maximum change with the Question ID : <u>441009145740</u>
	Option 1 ID : <u>441009578859</u> Option 2 ID : <u>441009578861</u> Option 3 ID : <u>441009578862</u> Option 4 ID : 441009578860 Status : Answered Chosen Option : 2





Q Which of the following is an INCORRECT statement regarding the specific heat capacity of a substance?		
1		
6		
 A 1. The specific capacity of a substance at constant volume is always equal to the specific heat capacity of n the substance at constant pressure. s 		
ľ	\mathbf{X} 2. It depends on the nature of the substance.	
	X 3. The specific heat capacity is independent of the mass of the substance.	
	X 4. The S.I. unit of specific heat capacity is J kg ⁻¹ K ⁻¹ .	
		Question ID : <u>441009116315</u>
		Option 1 ID : <u>441009462694</u>
		Option 2 ID : <u>441009462692</u>
		Option 3 ID : 441009462695 Option 4 ID : <u>441009462693</u>
		Status : Answered
		Chosen Option : 1
⊢		
Q	Which of the following is an INCORRECT statement regarding the surface te	nsion of a liquid?
1		
7		
A n	• *	
s		
	X 2. The S.I. unit of surface tension is N/m.	
	\checkmark 3. Surface tension is independent of the temperature of the liquid.	
	imes 4. Surface tension is equal to the surface energy per unit area of the liquid in	terface.
		Question ID : <u>441009114646</u> Option 1 ID : <u>441009456016</u>
		Option 2 ID : <u>441009456015</u>
		Option 3 ID : 441009456014
		Option 4 ID : 441009456017
		Status : Answered
		Chosen Option : 3





Q According to work energy theorem, the change in of a particle is equal to the work done on it by the . net force.			
2 3 A n s	★ 1. potential energy		
	X 2. mechanical energy		
	 ✓ 3. kinetic energy 		
	X 4. total energy		
	Question ID : 441009149620 Option 1 ID : 441009594214 Option 2 ID : 441009594217 Option 3 ID : 441009594215 Option 4 ID : 441009594216 Status : Answered Chosen Option : 2		
. I 2	Q Two particles of the same mass are moving in two circular paths having radii in the ratio of 1:3. What will . be the ratio of their respective velocities for them to experience constant centripetal force? 2		
n	X 1. 1:3		
s	2 1:13		
	 ✓ 2. 1:√3 X 3. 1:9 		
	★ 4.3:1		
	Question ID : 441009110458 Option 1 ID : 441009439404 Option 2 ID : 441009439407 Option 3 ID : 441009439406 Option 4 ID : 441009439405 Status : Answered Chosen Option : 1		

If A is a matrix of order 3×3 such that det(A) = 2, then $\exists a$ matrix B of order 3×3 such that $det(B) = \frac{1}{2}$ and $AB = I_{3 \times 3}$. X 2. If A and B are matrics of order 3×3 such that $AB = 2I_{3 \times 3}$, then $det(A) \neq 0$ and $det(B) \neq 0$.

 \checkmark ³. If A and B are matrices of order 3 × 3 such that AB = O (zero matrix), then either A = O or B = O.

× 4 There exist matrices A and B of order 3×3 such that $A \neq O$, $B \neq O$ but AB = O.

Question ID : <u>441009155690</u>
Option 1 ID : <u>441009617930</u>
Option 2 ID : 441009617929
Option 3 ID : 441009617927
Option 4 ID : 441009617928
Status : Answered
Chosen Option : 3

^Q A parallel plate capacitor consists of two plates with a plate area of 0.25 m^2 and a distance between the plates of 0.002 m. The capacitor is placed in a vacuum, and the voltage across the plates is 15 V. The ²/₆ permittivity of free space is $\epsilon_0 = 8.854 \times 10^{-12}$ F/m. If the distance between the plates is reduced to half, calculate the capacitance and the energy stored in the capacitor when the same voltage is applied.

A 🟋 1. 4.2 nF, 5.2 × 10⁻⁷ J

2

2. 1.5 μF, 6 × 10⁻⁷ J
 3. 0.2 μF, 3.4 × 10.9 J
 4. 2.2 nF, 2.5 × 10⁻⁷ J

Question ID : <u>441009130379</u> Option 1 ID : <u>441009517910</u> Option 2 ID : <u>441009517908</u> Option 3 ID : <u>441009517909</u> Option 4 ID : <u>441009517907</u> Status : **Answered** Chosen Option : **2**
A n s	★ 1. The energy consumed is equal to 36000 joules.				
Ľ	\times 2. The bulb draws a current of 0.5 A from a 100 V supply for 10 hours.				
L	imes 3. The energy consumed can be calculated by multiplying the current and resistance of the bulb.				
L	✓ 4. If two such bulbs are used for 5 hours each, the total energy consumption will still be 1 kWh.				
L					
	Question ID : <u>44100913</u>				
	Option 1 ID : 44100951				
	Option 2 ID : <u>44100951</u> Option 3 ID : <u>44100951</u>				
	Option 4 ID : <u>44100951</u>				
	Status : Answered				
	Chosen Option : 2				
١÷.,	Q The third term of a geometric progression is 3, then the product of first five terms of				
2 8					
n	n				
s					
L	× 2. 162				
L	3. 243				
L	X 4.729				
	Question ID : 44100910	7645			
	Option 1 ID : 44100942				
	Option 2 ID : 44100942				
	Option 3 ID : <u>44100942</u>	<u>8468</u>			
	Option 4 ID : <u>44100942</u>				
	Status : Answered	1			
	Chosen Option : 3				
Q.	Q The working of which of the following devices is based on the Second law of Thermodynamics?				
2					
9					
A					
n s					
	X 2. Television				
L	✓ 3. Refrigerator				
	🗙 4. Electric Fan				
	Question ID : <u>44100911</u>				
	Option 1 ID : <u>44100946</u> Option 2 ID : <u>44100946</u>				
	Option 3 ID : <u>44100946</u>				
	Option 4 ID : 44100946				
	Status : Answered	t l			
	Chosen Option : 1				



then which of the following is true? $\mathbf{A} \quad \checkmark \mathbf{1} \quad \mathbf{C}^2 \mathbf{B}^{\mathbf{n}} = \mathbf{A}^{\mathbf{n}}$ \times 2. A²Bⁿ = Cⁿ \times 3. C²Aⁿ = Bⁿ \times 4. B²Cⁿ = Aⁿ Question ID : 441009154665 Option 1 ID : 441009613817 Option 2 ID : 441009613816 Option 3 ID : 441009613815 Option 4 ID : 441009613814 Status : Answered Chosen Option : 2 ^Q ³ ³Suppose A = $\begin{pmatrix} a & b & c & d \\ e & f & g & h \\ i & j & k & 1 \\ m & n & o & p \end{pmatrix}$, where all elements of the matrix are real numbers such that det(A) = 4. Find det(B), where B = $\begin{pmatrix} i & j & k & 1 \\ e + 2a & f + 2b & g + 2c & h + 2d \\ 3a & 3b & 3c & 3d \\ m + e & n + f & o + g & p + h \end{pmatrix}$. A 🗙 1.4 n ✓ 2. -12 🗙 3. 12 × 4. −4 Question ID : 441009155580 Option 1 ID : 441009617467 Option 2 ID : 441009617468 Option 3 ID : 441009617466 Option 4 ID : 441009617469 Status : Answered Chosen Option : 3



Q	QWhich of the following statements about magnification is true?					
3						
7 A	\mathbf{X} 1. The magnification produced by a convex lens is always positive for real images.					
n						
s	✓ 2. In a concave mirror, the magnification is positive when the image is virtual and erect.					
L	 X 3. The magnification produced by a concave lens is positive for real images. 					
L	\mathbf{X} 4. For a convex mirror, the image is always real and inverted, producing a negative magnification.					
L						
L	Question ID : <u>441009116283</u>					
L	Option 1 ID : 441009462572					
L	Option 2 ID : <u>441009462573</u> Option 3 ID : <u>441009462574</u>					
	Option 4 ID : <u>441009462575</u>					
L	Status : Answered					
	Chosen Option : 4					
Q	Let $p(x)$ be a polynomial. If all the roots of $p(x) = 0$ are real, then all the roots of $p'(x) = 0$ are:					
<u>ا د</u>						
3 8						
Α	X 1. complex					
n s						
L	X 2. rational					
L	✓ 3. real					
L	X 4. zero					
L						
L	Question ID : <u>441009106886</u> Option 1 ID : <u>441009425579</u>					
L	Option 2 ID : <u>441009425581</u>					
L	Option 3 ID : <u>441009425578</u>					
L	Option 4 ID : <u>441009425580</u>					
	Status : Answered Chosen Option : 2					
Q	The mean deviation about median of 10 observations is 15. If each observation					
	s multiplied by -3 , then find the new mean deviation about median of resulting					
0	observations.					
A n	A 🔀 1. 135					
S						
	X 245					
L	X 3. –135					
	✓ 4.45					
	Question ID : <u>441009159224</u> Option 1 ID : <u>441009631781</u>					
	Option 2 ID : <u>441009631780</u>					
	Option 3 ID : <u>441009631782</u>					
	Option 4 ID : <u>441009631779</u> Status : Answered					
	Chosen Option : 1					







QIF $f(x)$ is a polynomial of degree n, where $n \in \mathbb{N}$, then which of the following 4 statements is NOT always true?					
o A n S	n				
	\times 2. f'(x) is differentiable for all x $\in \mathbb{R}$				
	 X 3. f'(a) exist for all a ∈ ℝ X 4. f'(x) is a polynomial of degree n − 1 				
		Option 1 ID : Option 2 ID : Option 3 ID : Option 4 ID :	441009159275 441009631977 441009631978 441009631976 441009631975 Answered 2		
• a 4 9	9				
n s	 X 1. 2.01×10⁴ Pa X 2. 2.01×10⁶ Pa ✓ 3. 2.01×10⁵ Pa X 4. 2.01×10³ Pa 				
		Option 1 ID : Option 2 ID : Option 3 ID : Option 4 ID :	441009114636 441009455977 441009455976 441009455974 441009455975 Answered 2		

QConsider the statements given below:					
$\frac{1}{5}$ (I) There exist two lines l_1 and l_2 passing through origin with shortest distance 2 units					
0 (II) There exist skew lines l_{1} and l_{2} with shortest distance	(II) There exist skew lines l_1 and l_2 with shortest distance 0 units.				
Which of the following options is correct? A ✓ 1. Neither (I) nor (II) is true S ✓ 2. Only (II) is true ✓ 3. Only (I) is true ✓ 4. Both (I) and (II) are true	Question ID : <u>441009159171</u> Option 1 ID : <u>441009631578</u> Option 2 ID : <u>441009631576</u>				
	Option 3 ID : 441009631575				
	Option 4 ID : <u>441009631577</u>				
	Status : Answered Chosen Option : 2				
 A × 1. 12; polar satellites s × 2. 12; geostationary satellites × 3. 24; polar satellites • 4. 24; geostationary satellites 	Question ID : <u>441009145250</u> Option 1 ID : <u>441009576963</u> Option 2 ID : <u>441009576964</u> Option 2 ID : <u>441009576964</u>				
	Option 3 ID : <u>441009576961</u> Option 4 ID : <u>441009576962</u>				
	Status : Answered Chosen Option : 2				

Q A toy car is moving in a circular track of radius 2 m with a velocity of 36 km/hr. The centripetal . acceleration of car is given by:







$$\hat{s} \vec{\nabla}_{1} = \hat{i} - \hat{j} + 2\hat{k} \text{ and } \vec{\nabla}_{2} = 2\hat{i} + \hat{j} + 3\hat{k}.$$

$$\hat{s} \sqrt[4]{35} \hat{i} + \frac{4}{\sqrt{35}} \hat{j} + \frac{12}{\sqrt{35}} \hat{k}$$

$$(2. -\frac{20}{\sqrt{35}} \hat{i} - \frac{4}{\sqrt{35}} \hat{j} - \frac{12}{\sqrt{35}} \hat{k})$$

$$(3. \frac{20}{\sqrt{35}} \hat{i} + \frac{4}{\sqrt{35}} \hat{j} + \frac{12}{\sqrt{35}} \hat{k})$$

$$(3. \frac{20}{\sqrt{35}} \hat{i} - \frac{4}{\sqrt{35}} \hat{j} + \frac{12}{\sqrt{35}} \hat{k})$$

$$(4. \frac{20}{\sqrt{35}} \hat{i} - \frac{4}{\sqrt{35}} \hat{j} + \frac{12}{\sqrt{35}} \hat{k})$$

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$$(3. \frac{20}{\sqrt{35}} \hat{i} - \frac{12}{\sqrt{35}} \hat{k})$$

$$(3. \frac{20}{\sqrt{35}} \hat{k})$$

$$(3. \frac{20}{\sqrt{35}$$