





# GOVT. OF NCT OF DELHI

# Delhi Subordinate Services Selection Board FC-18, Institutional Area, Karkardooma, Delhi - 110092.

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Participant ID	
Participant Name	
Test Center	Aadarsh Pariksha Kendra CENTER B - Gate No 2 -
Name	Noida Sector 64
Test Date	26/09/2025
Test Time	9:00 AM - 12:00 PM
Subject	PGT Physics

Section: Mental Ability and Reasoning Ability Q What should come in place of the question mark (?) in the given series? 1 29, 32, 37, 44, 53, ? **X** 1. 62 **X** 2. 65 **3**. 64 **X** 4. 63 Question ID : 441009590865 Option 1 ID : 4410092318575 Option 2 ID : 4410092318576 Option 3 ID: 4410092318573 Option 4 ID: 4410092318574 Q What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged? 2  $7 \div 5 + 18 \times 6 - 21 = ? + 4$ **X** 1. 53 n **X** 2. 61 **3**. 57 **X** 4. 65 Question ID: 441009526663 Option 1 ID : 4410092062056 Option 2 ID : 4410092062058 Option 3 ID: 4410092062057 Option 4 ID : 4410092062059



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Q Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? 3 (Note: The odd one out is not based on the number of consonants/vowels or their position in the lettercluster.) X 1. LP - MQ Α s ✓ 2. IM - JO X 3. SW - TX 💢 4. GK - HL Question ID: 441009763116 Option 1 ID : 4410093006458 Option 2 ID : 4410093006460 Option 3 ID: 4410093006459 Option 4 ID : 4410093006457 Q This question consists of a statement followed by two arguments I and II. Read the statement and the arguments carefully and select the most appropriate answer from the given options. 4 All schools should implement mandatory physical education classes to improve students' overall health and fitness. Arguments: I. Academic curriculum should prioritise subjects like mathematics and science over physical education. II. Physical education classes help reduce the risk of childhood obesity and promote healthy habits. 1. II weakens while I strengthens the statement. n s 2. Both I and II weaken the statement. 3. Both I and II strengthen the statement. 4. I weakens while II strengthens the statement. Question ID : 441009477554 Option 1 ID : 4410091865622 Option 2 ID: 4410091865623 Option 3 ID: 4410091865624 Option 4 ID : 4410091865621 Q Each of U, V, W, X, P, Q, and R has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. 5 Only three people have exam between W and U. U has exam on the last day of the week. Only one person has exam between Q and P. V has exam immediately the day before R. X doesn't have exam on Friday. How many people have exam after X? √ 1. Six Α n s X 2. Five X 3. One X 4. Three Question ID : 441009763882 Option 1 ID : 4410093009524 Option 2 ID: 4410093009523 Option 3 ID : 4410093009521 Option 4 ID : 4410093009522





Q Below are given two sets of numbers. In each set of numbers, certain mathematical operation(s) on the . | first number results in the second number. Similarly, certain mathematical operation(s) on the second 6 number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

4 - 8 - 16 - 21 ; 3 - 6 - 12 - 17

**✓** 1. 6 − 12 − 24 − 29

n

X 2. 1 – 2 – 4 – 14

 $\times$  3. 2 – 4 – 8 – 12

X 4.5 - 10 - 30 - 35

Question ID:	441009527551
Option 1 ID:	4410092065610
Option 2 ID :	4410092065608
Option 3 ID :	4410092065609
Option 4 ID :	4410092065611

Q This question is based on the five, three-digit numbers given below.

7 (Left) 771 911 138 123 834 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

(NOTE - All operations to be done from left to right.)

What will be the resultant, if the third digit of the highest number is added to the first digit of the lowest number?

Α **1.2** n

s

**X** 2. 3

**X** 3. 5

**X** 4. 6

Question ID :	441009763785
Option 1 ID :	4410093009134
Option 2 ID :	4410093009135
Option 3 ID :	4410093009136
Option 4 ID :	4410093009133

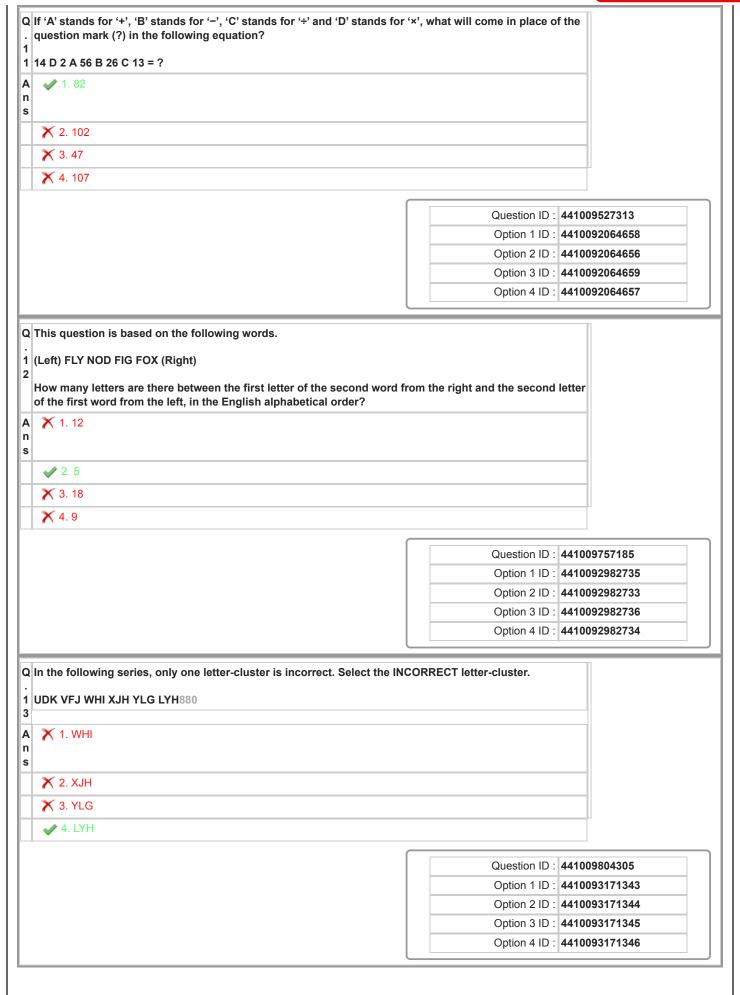




Q Which of the given letter-clusters should replace # and % so that the patter between the letter-cluster pair on the left side of :: is the same as that on the	
8 #: TRP :: FDB : %	
A	
<b>★</b> 2. # = RPM , % = GEC	
<b>✓</b> 3. # = RPN , % = HFD	
<b>★</b> 4. # = RPN , % = HEE	
	0 11 10 11111111
	Question ID : 441009758883
	Option 1 ID : 4410092989527
	Option 2 ID : 4410092989528
	Option 3 ID : 4410092989525
	Option 4 ID : 4410092989526
9 east of Point A, and drives 7 km towards the East. He then takes a right turn final left turn and drives 11 km and stops at Point Q. What is the shortest di Point B? (All turns are 90 degree turns only, unless specified.)  A	
n s	
✓ 2. 32 km	
<b>※</b> 3. 33 km	
<b>★</b> 4. 30 km	
	Question ID : 441009761340
	Option 1 ID : 4410092999354
	Option 2 ID : 4410092999355
	Option 3 ID : 4410092999356
	Option 4 ID : 4410092999353
Which of the following letter-number clusters will replace the question mark it logically complete?  KIL 17 IGJ 22 GEH 27 ECF 32 ?	k (?) in the given series to
A × 1. CBC 37	
<b>✓</b> 2. CAD 37	
<b>★</b> 3. CZC 36	
<b>★</b> 4. CHN 36	
	Question ID : 441009809416
	Option 1 ID : 4410093191788
	Option 2 ID : <b>4410093191787</b>
	Option 3 ID : 4410093191789
	Option 4 ID : 4410093191790
	· · · · · · · · · · · · · · · · · · ·

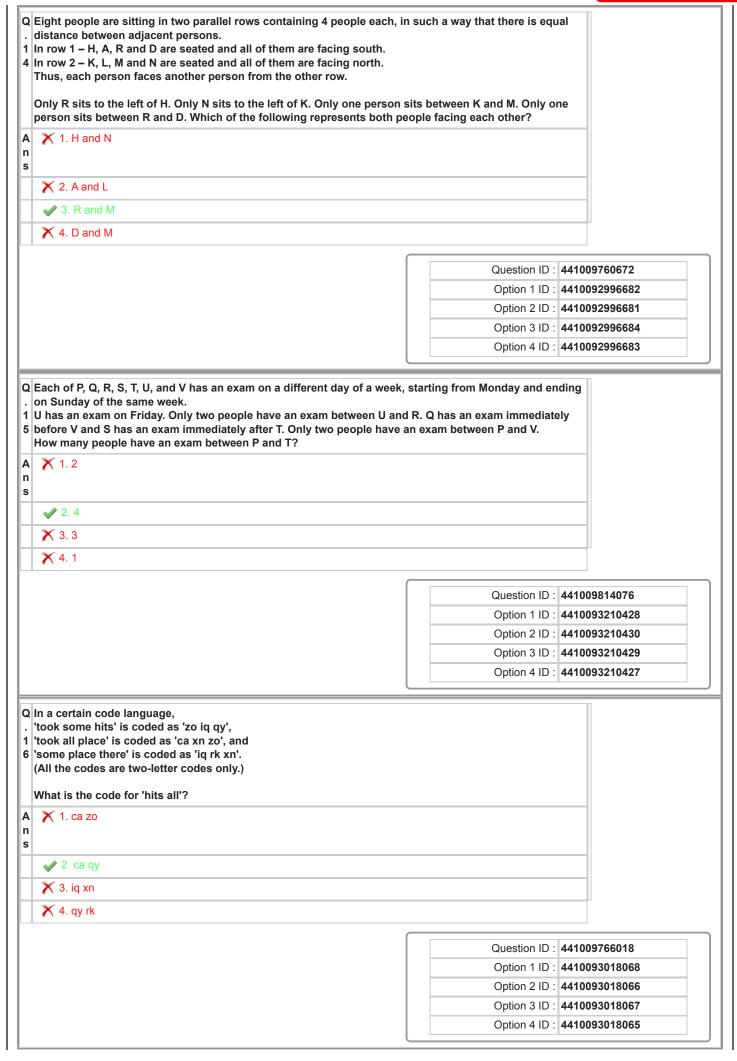


















Q Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into 1 their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be 7 performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (13, 4, 15)(18, 9, 25) **X** 1. (17, 26, 59) n **X** 2. (20, 11, 15) **3**. (15, 6, 19) **X** 4. (12, 3, 15) Question ID: 441009526855 Option 1 ID: 4410092062825 Option 2 ID: 4410092062826 Option 3 ID : 4410092062827 Option 4 ID : 4410092062824 Q Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the 1 given conclusion(s) logically follow(s) from the statements. 8 Statements: All crows are lamps. All crows are peacocks. All onions are peacocks. Conclusions: (I) All onions are lamps. (II) Some peacocks are lamps. 1. Both conclusions (I) and (II) follow n S 2. Only conclusion (II) follows X 3. Only conclusion (I) follows X 4. Neither conclusion (I) nor (II) follows Question ID: 441009767409 Option 1 ID : 4410093023632 Option 2 ID : 4410093023630 Option 3 ID : 4410093023629 Option 4 ID : 4410093023631





. A ÷ E 1 A ¥ E 9 A + E	certain code language, B means 'A is the father B means 'A is the wife o B means 'A is the broth B means 'A is the daugh	f B', er of B', and				
Base	ed on the above, which	of the following mea	ans that K is the bro	other's wife	of S?6644	
A X	1. K ¥ I = L ÷ O + S					
4	▶ 2. K ¥ I + L = O ÷ S					
×	3. K ¥ I = L + O ÷ S					
×	4. K ¥ I ÷ L + O = S					
-						
					Question ID :	441009760854
					Option 1 ID :	4410092997410
						444000007440
					Option 2 ID :	4410092997412
						4410092997412
Q Base	ed on the English alpha	petical order, three o	of the following four	r letter-clu	Option 3 ID : Option 4 ID :	
certa 2 (Note 0 clust	ed on the English alpha ain way and thus form a te: The odd one out is no ster.)  1. GI - KO  2. LN - JL  3. HJ - FH  4. NP - LN	group. Which letter	r-cluster pair DOES	NOT belor	Option 3 ID : Option 4 ID : ster pairs are alike in a	4410092997411 4410092997409
certa 2 (Note 0 clust	ain way and thus form a te: The odd one out is noter.)  1. GI - KO  2. LN - JL  3. HJ - FH	group. Which letter	r-cluster pair DOES	NOT belor	Option 3 ID : Option 4 ID : ster pairs are alike in a ng to that group? their position in the lett	4410092997411 4410092997409
certa 2 (Note clust	ain way and thus form a te: The odd one out is noter.)  1. GI - KO  2. LN - JL  3. HJ - FH	group. Which letter	r-cluster pair DOES	NOT belor	Option 3 ID : Option 4 ID : ster pairs are alike in a ng to that group? their position in the lett	4410092997411 4410092997409 er- 441009768750
certa 2 (Note 0 clust	ain way and thus form a te: The odd one out is no ster.)  1. GI - KO  2. LN - JL  3. HJ - FH	group. Which letter	r-cluster pair DOES	NOT belor	Option 3 ID : Option 4 ID :  ster pairs are alike in a and to that group? their position in the lett  Question ID : Option 1 ID :	4410092997411 4410092997409 er- 441009768750 4410093028993
certa (Note Clust  A n s	ain way and thus form a te: The odd one out is no ster.)  1. GI - KO  2. LN - JL  3. HJ - FH	group. Which letter	r-cluster pair DOES	NOT belor	Option 3 ID : Option 4 ID :  Ster pairs are alike in a and to that group? Their position in the lett  Question ID : Option 1 ID : Option 2 ID :	4410092997411 4410092997409 er- 441009768750

Section : General Awareness

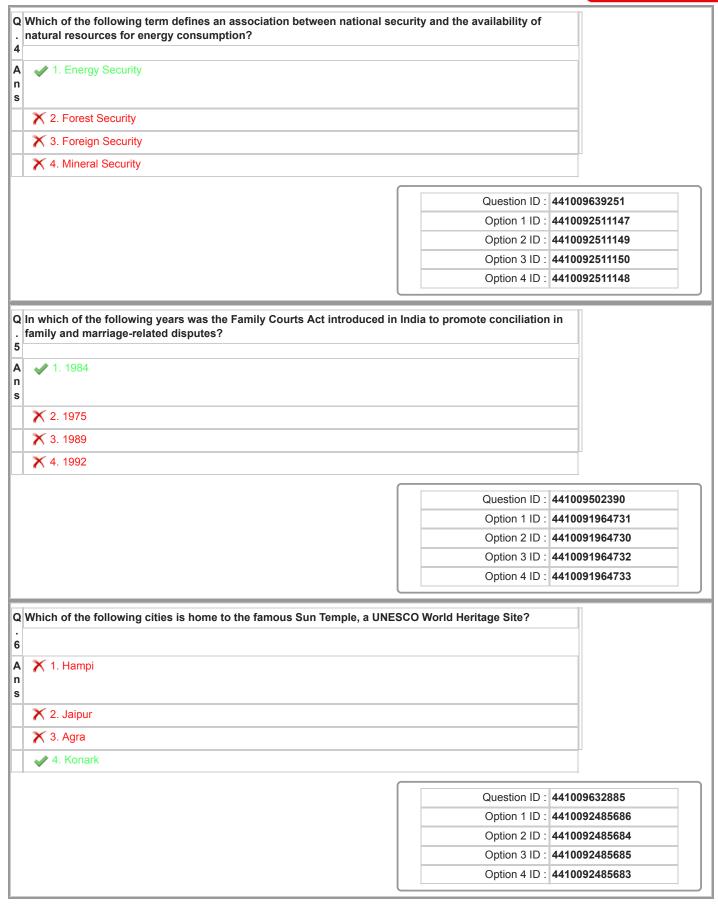




Q In 2025, which of the following institutes collaborated to launch personalised and real-time climate advisory services for farmers by leveraging Artificial Intelligence (AI) and Machine Learning (ML)? 💢 1. The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) and G. B. Pant University n of Agriculture and Technology 💢 2. The International Livestock Research Institute (ILRI) and the Center of Excellence in Al for Agriculture (IIT 💢 3. The Indian Institute of Tropical Meteorology (IITM) and India Meteorological Department (IMD) Agricultural Research (ICAR) Question ID: 4410091182336 Option 1 ID: 4410094663441 Option 2 ID: 4410094663444 Option 3 ID : 4410094663442 Option 4 ID : 4410094663443 Q Which of the following law states that 'two systems in thermal equilibrium with a third system separately are in thermal equilibrium with each other'? 2 Α 1. The first law of thermodynamics n s X 2. Fourier's law X 3. Joule's First law 4. The zeroth law of thermodynamics Question ID: 441009509740 Option 1 ID : 4410091994119 Option 2 ID: 4410091994121 Option 3 ID : 4410091994120 Option 4 ID : 4410091994118 Q Who won the 2025 United Nations Population Award for her work in promoting gender equality and preventing sex-selective abortions? 1. Varsha Deshpande Α n s X 2. Mira Kulkarni X 3. Kiran Bedi 💢 4. Aruna Roy Question ID : 4410091186895 Option 1 ID : 4410094681722 Option 2 ID: 4410094681724 Option 3 ID : 4410094681723 Option 4 ID : 4410094681725

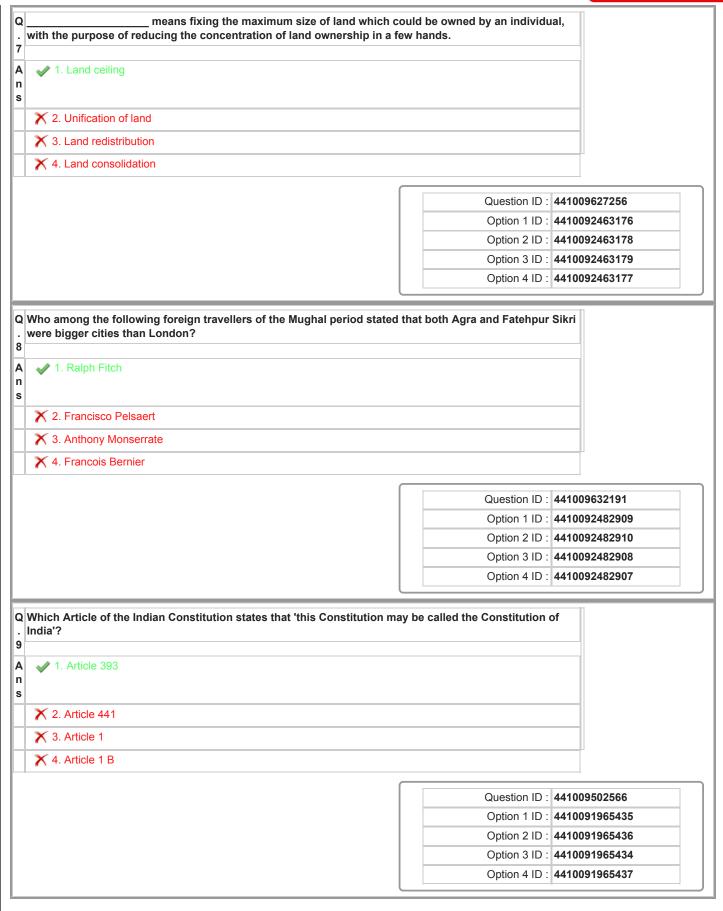






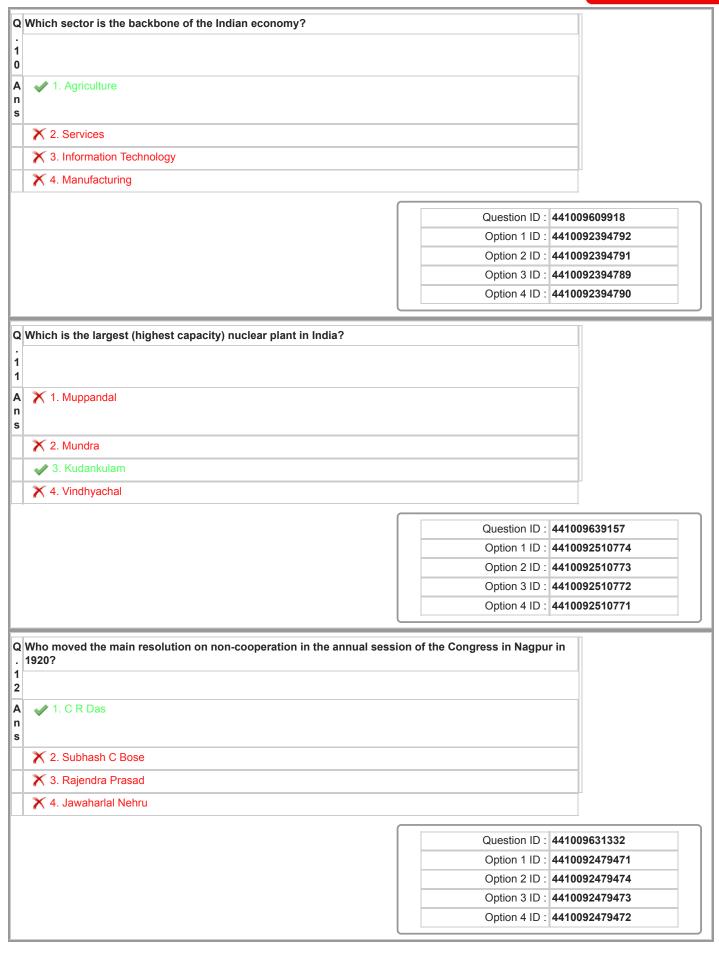
















- 1	Which country announced the closure of its consulate in Shenyang in	December 2024?	
1			
3			
1			
	X 2. The United Kingdom		
	🗙 3. Canada		
	X 4. The United States of America		
			441009630409
		· ·	4410092475785
			4410092475784
			4410092475786
		Option 4 ID	4410092475783
		enac Tojna to provide castiles	
1			
•	✓ 2. Punjab		
	× 3. Sikkim		
-			
	X 4. Chhattisgarh		
		Question ID	4410091182096
		Option 1 ID :	4410094662481
		Option 2 ID	4410094662483
		Option 3 ID	4410094662484
		Option 4 ID	4410094662482
			-
_			
2	Which among the following is NOT a characteristic of peninsular rivers	s of India?	
Q 1		s of India?	
1 5 A n	1. Most of the major peninsular rivers except Narmada and Tapti flow fi		
1 5 A n	1. Most of the major peninsular rivers except Narmada and Tapti flow fi		
1 5 A n	1. Most of the major peninsular rivers except Narmada and Tapti flow fi	rom west to east.	
1 5 A n	1. Most of the major peninsular rivers except Narmada and Tapti flow for the Mahanadi rises near Sihawa in Raipur district of Chhattisgarh.	rom west to east.	
1 5 A	<ul> <li>1. Most of the major peninsular rivers except Narmada and Tapti flow from the second se</li></ul>	rom west to east.	
1 5 A	<ul> <li>1. Most of the major peninsular rivers except Narmada and Tapti flow from the second se</li></ul>	from east to west.	4410091181938
1 5 A	<ul> <li>1. Most of the major peninsular rivers except Narmada and Tapti flow from the second se</li></ul>	from east to west.  Question ID	4410091181938 4410094661855
	<ul> <li>1. Most of the major peninsular rivers except Narmada and Tapti flow from the second se</li></ul>	rom west to east.  from east to west.  Question ID: Option 1 ID: Option 2 ID:	4410094661855 4410094661856
1 5 A n	<ul> <li>1. Most of the major peninsular rivers except Narmada and Tapti flow from the second se</li></ul>	Question ID : Option 1 ID: Option 2 ID: Option 3 ID:	4410094661855

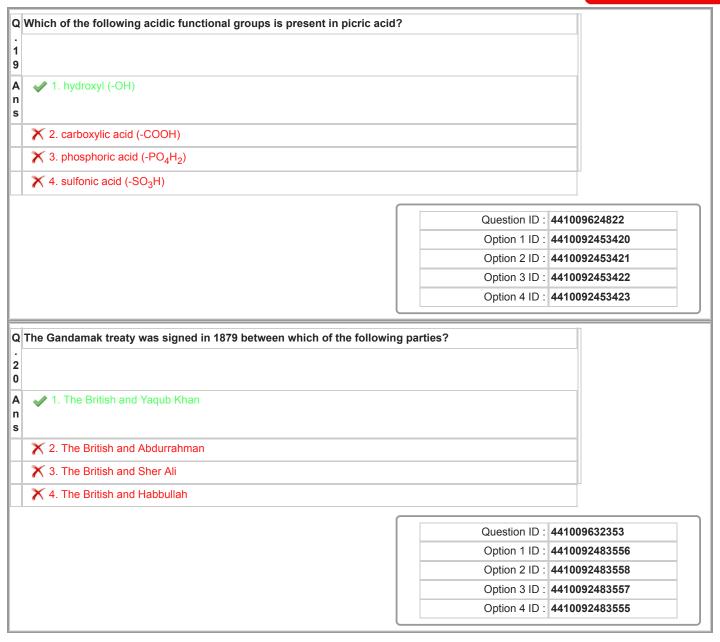




١.	Which of the following statements regarding jurisdiction of Subordinate Co	ourts in India is INCORRE	G1?
1			
6	× 4 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =		
A n s	★ 1. The district judge is the highest judicial authority in the district.		
	★ 2. There are three tiers of civil and criminal courts below the High Court.		
	✗ 3. The district judge exercises both judicial and administrative powers.		
	4. The organisational structure and jurisdiction of these courts are laid dow they are the same in every state.	n by the Union Government	and
		Question ID :	441009502724
		Option 1 ID :	4410091966068
		Option 2 ID :	4410091966067
		Option 3 ID :	4410091966069
		Option 4 ID :	4410091966066
5	<ul><li>★ 2. 166</li><li>★ 3. 176</li><li>★ 4. 146</li></ul>		
	4. 140		
		Question ID :	441009629796
		Option 1 ID :	4410092473333
		·	4410092473332
			4440002472224
		Option 3 ID :	4410092473331
=		Option 4 ID :	4410092473334
1 8	Which of the following statements related to Fundamental Rights as per th correct?  Article 17 abolishes untouchability and forbids its practice in any form.  The concept of equality before law is taken from the British Constitution.  Article 15 prohibits discrimination against any citizen on grounds of religion birth.	Option 4 ID :	4410092473334 are
1 8 A n	correct? Article 17 abolishes untouchability and forbids its practice in any form. The concept of equality before law is taken from the British Constitution. Article 15 prohibits discrimination against any citizen on grounds of religion	Option 4 ID :	4410092473334 are
1 8 A	correct? Article 17 abolishes untouchability and forbids its practice in any form. The concept of equality before law is taken from the British Constitution. Article 15 prohibits discrimination against any citizen on grounds of religionship.	Option 4 ID :	4410092473334 are
1 B	correct? Article 17 abolishes untouchability and forbids its practice in any form. The concept of equality before law is taken from the British Constitution. Article 15 prohibits discrimination against any citizen on grounds of religionship.  1. Only 1 and 2	Option 4 ID :	4410092473334 are
1 8 A	correct? Article 17 abolishes untouchability and forbids its practice in any form. The concept of equality before law is taken from the British Constitution. Article 15 prohibits discrimination against any citizen on grounds of religious birth.  1. Only 1 and 2  2. All 1, 2 and 3	Option 4 ID :	4410092473334 are
1 B	correct? Article 17 abolishes untouchability and forbids its practice in any form. The concept of equality before law is taken from the British Constitution. Article 15 prohibits discrimination against any citizen on grounds of religious birth.  1. Only 1 and 2  2. All 1, 2 and 3  3. Only 3	Option 4 ID :	4410092473334  are  ce of
1 B	correct? Article 17 abolishes untouchability and forbids its practice in any form. The concept of equality before law is taken from the British Constitution. Article 15 prohibits discrimination against any citizen on grounds of religious birth.  1. Only 1 and 2  2. All 1, 2 and 3  3. Only 3	Option 4 ID :  e Constitution of India is/a on, race, caste, sex, or pla  Question ID :	4410092473334  are  ce of  441009635282
1 8 A	correct? Article 17 abolishes untouchability and forbids its practice in any form. The concept of equality before law is taken from the British Constitution. Article 15 prohibits discrimination against any citizen on grounds of religious birth.  1. Only 1 and 2  2. All 1, 2 and 3  3. Only 3	Option 4 ID :  e Constitution of India is/a on, race, caste, sex, or pla  Question ID : Option 1 ID :	4410092473334  are  ce of  441009635282  4410092495275
1 8	correct? Article 17 abolishes untouchability and forbids its practice in any form. The concept of equality before law is taken from the British Constitution. Article 15 prohibits discrimination against any citizen on grounds of religious birth.  1. Only 1 and 2  2. All 1, 2 and 3  3. Only 3	Question ID:  Question ID:  Option 2 ID:	4410092473334  are  ce of  441009635282  4410092495275  4410092495278
1 8 A n	correct? Article 17 abolishes untouchability and forbids its practice in any form. The concept of equality before law is taken from the British Constitution. Article 15 prohibits discrimination against any citizen on grounds of religious birth.  1. Only 1 and 2  2. All 1, 2 and 3  3. Only 3	Question ID: Option 2 ID: Option 3 ID: Option 3 ID:	4410092473334  are  ce of  441009635282  4410092495275







**Section : Numerical Aptitude and Data Interpretation** 



Simplify: $\frac{1}{7 \cdot 4} \div \frac{9}{19}$	
$\frac{8}{8} + \frac{6}{6}$	
$\begin{bmatrix} A \\ n \\ s \end{bmatrix} \times 1. \frac{141}{101}$	
× 2. 152 101	
<b>✓</b> 3. 152 111	
× 4. 141 111	

Question ID: 441009622582 Option 1 ID : 4410092444462 Option 2 ID: 4410092444461 Option 3 ID: 4410092444460 Option 4 ID : 4410092444463

Q A can complete a piece of work in 25 days and B can complete the same work in 15 days. If they work on alternate days, starting with B on the first day, then in how many days will the work be finished?

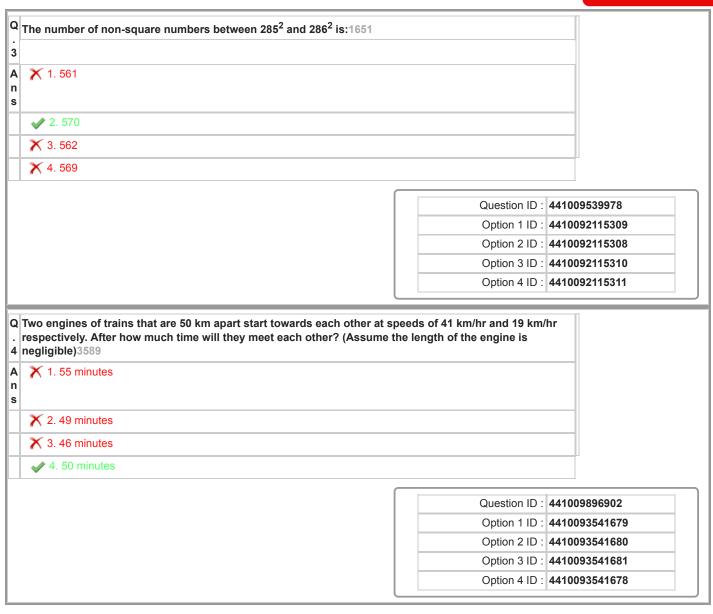
X 3. 18

**×** 4.19

Question ID: 441009623629 Option 1 ID: 4410092448648 Option 2 ID: 4410092448649 Option 3 ID : 4410092448651 Option 4 ID : 4410092448650

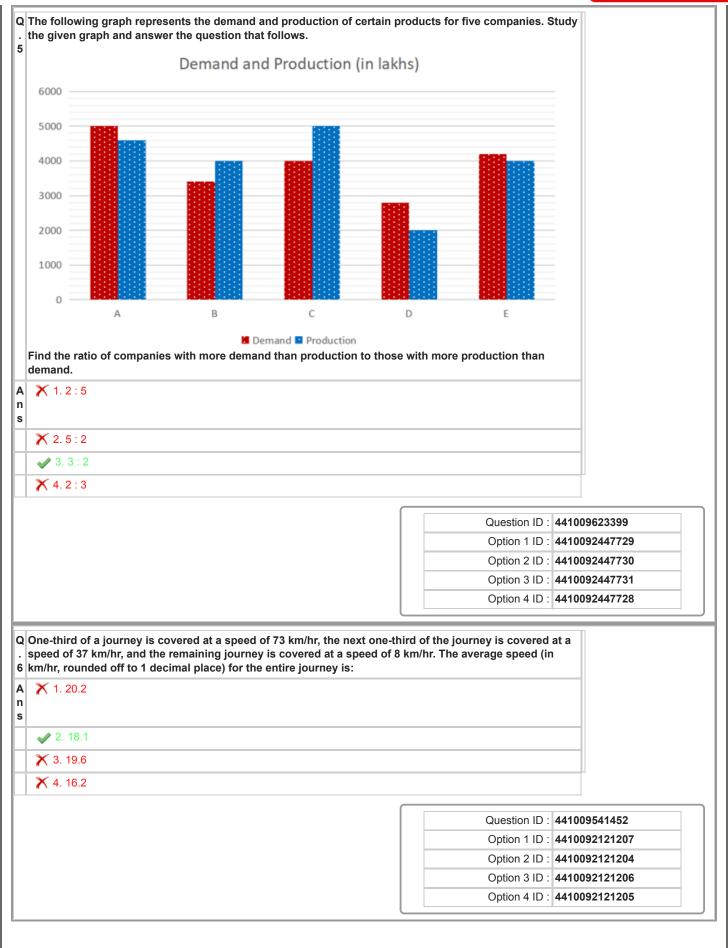






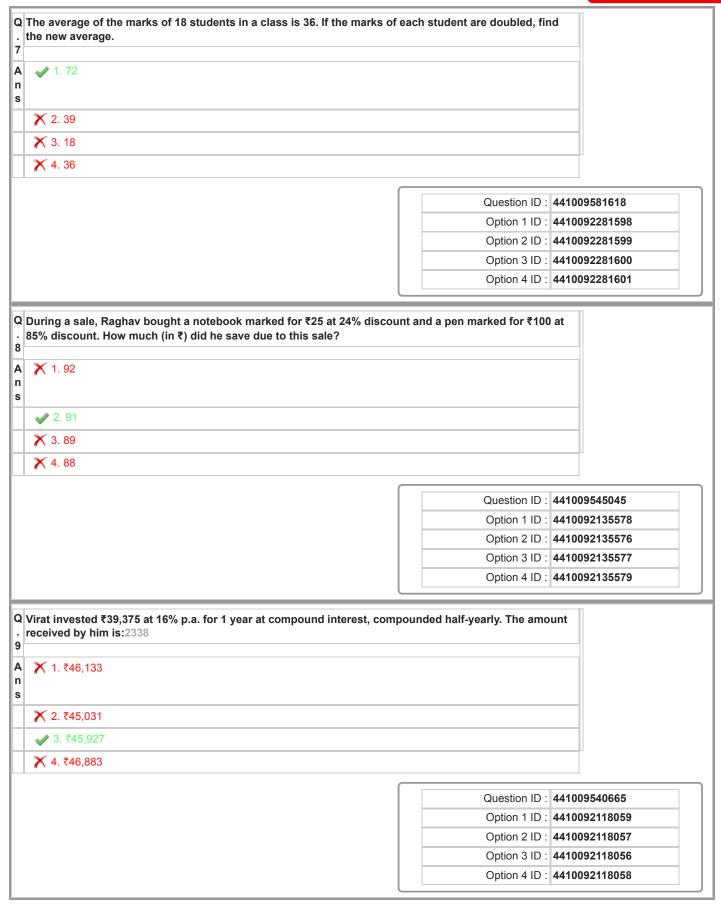






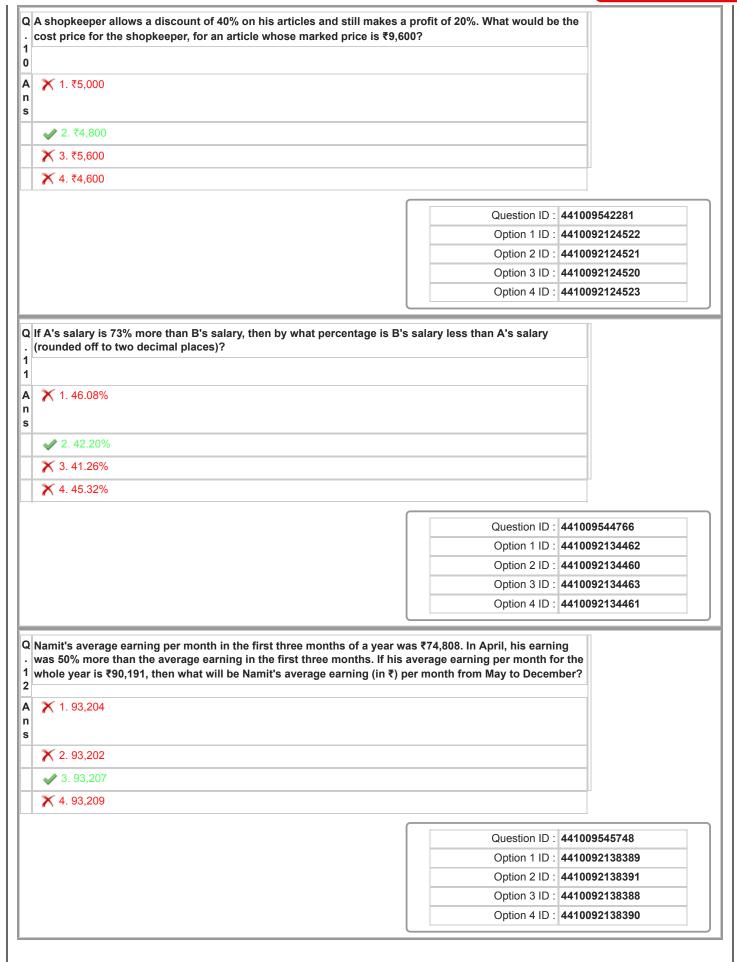






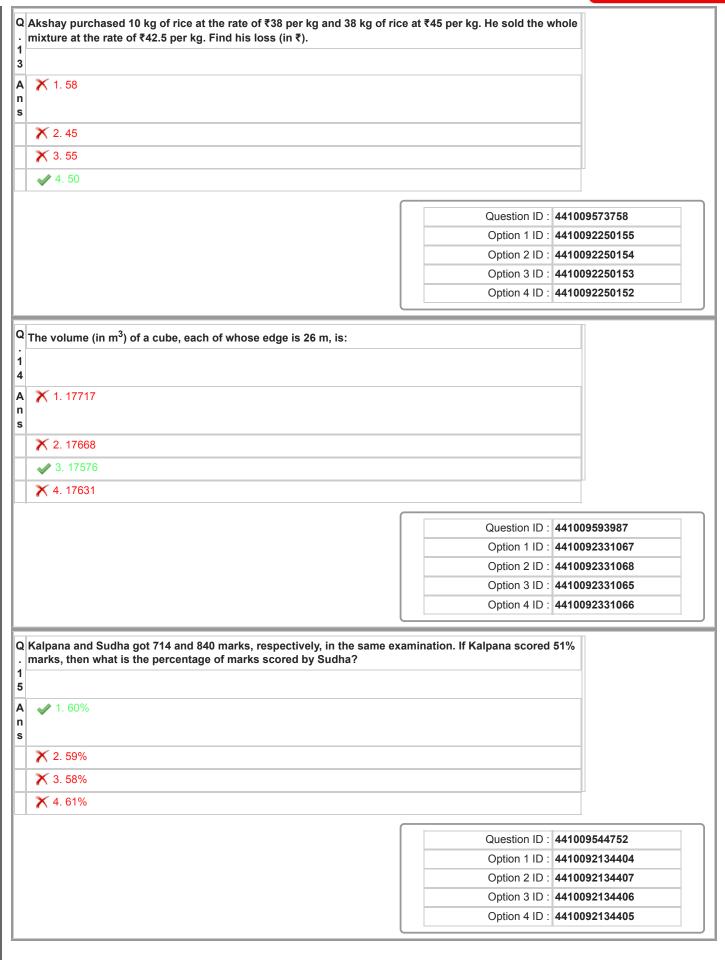












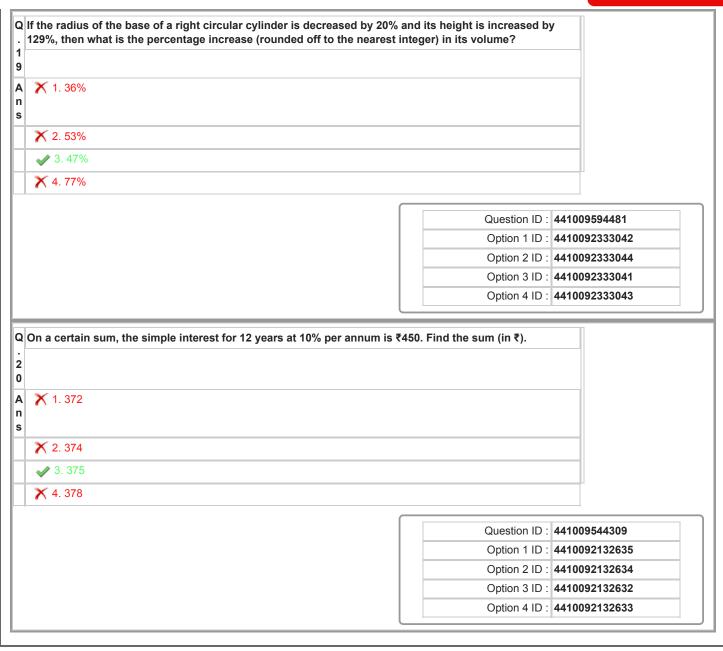




<b>★</b> 1. 1335	
1. 1555	
¥ 0, 400F	
2. 1325	
<b>→</b> 3. 1305	
<b>X</b> 4. 1280	
	Overetion ID v 444000540770
	Question ID : 441009542778  Option 1 ID : 4410092126511
	Option 2 ID : 4410092126510
	Option 3 ID : 4410092126508
	Option 4 ID : 4410092126509
wo pipes can fill a tank in 39 hours and 42 hours.	respectively. The time (in hours) required to fill the
ank, when both pipes are opened simultaneously,	
100	
<b>√</b> 1. 182	
9	
181	
× 2. $\frac{181}{12}$	
<b>×</b> 3. $\frac{184}{11}$	
11	
183	
$\times$ 4. $\frac{183}{10}$	
10	
	Question ID: 441009623200
	Option 1 ID : 4410092446932
	Option 2 ID : 4410092446934
	Option 3 ID : 4410092446935
	Option 4 ID : 4410092446933
	ter 4 months, B joined him with a certain amount of iness, the profit was shared in the ratio 5 : 2. How much
<b>X</b> 1. 2,64,100	
× 2. 2,59,300	
<b>★</b> 3. 2,74,800	
<b>✓</b> 4. 2,59,800	
V	
	Question ID : 441009541438
	Option 1 ID : 4410092121151
	Option 2 ID : 4410092121150
	Ontion 2 ID : 4440002424440
	Option 3 ID : 4410092121149



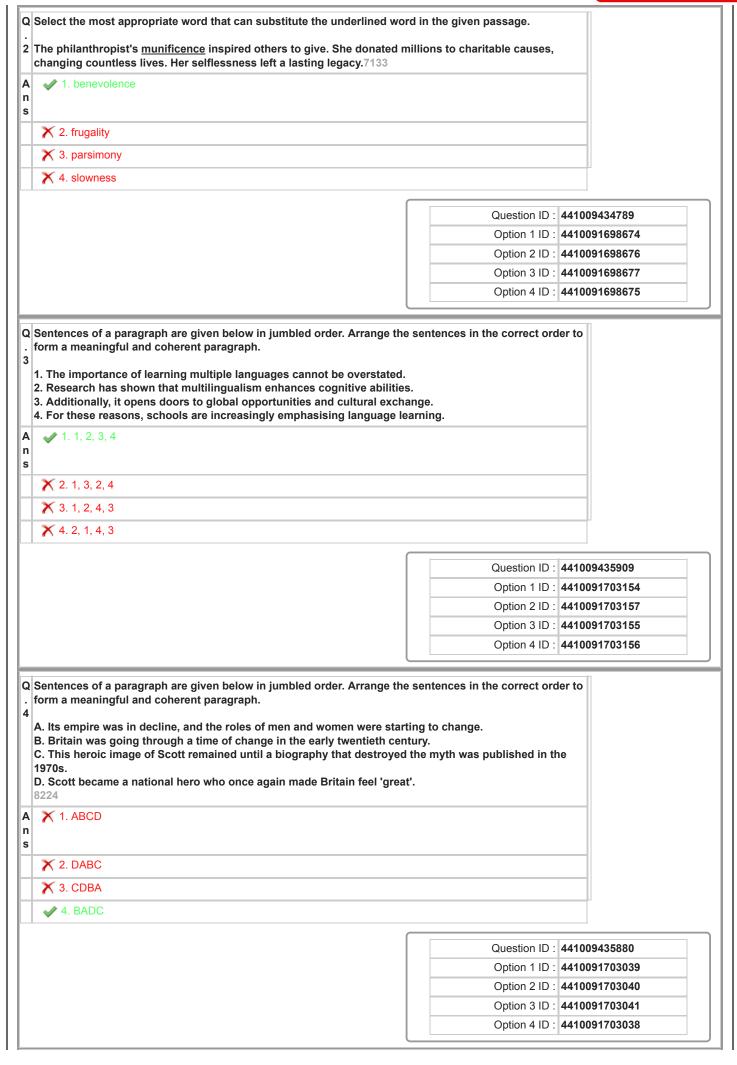




Section: English Language and Comprehension Q Select the most appropriate verb to fill in the blank. 1 The research team a new approach to data analysis that could revolutionise the way large datasets are processed in the field of artificial intelligence. Α X 1. mitigated n X 2. contrived X 3. neglected 4. initiated Question ID : 441009499610 Option 1 ID : 4410091953655 Option 2 ID : 4410091953652 Option 3 ID: 4410091953654 Option 4 ID: 4410091953653













Q Select the most appropriate option to fill in the blank.		
5 Ritika Raju were colleagues for a long time.		
A 1. and s		
<b>X</b> 2. but		
<b>X</b> 3. yet		
<b>★</b> 4. or		
	Question ID :	441009480634
	Option 1 ID :	4410091877885
		4410091877887
	·	4410091877888
	Option 4 ID :	4410091877886
Q Identify and rectify the INCORRECTLY spelt word in the given paragraph.  6 Although the athlete suffered a severe injury, her perseverance, mental s rehabilitation plan helped her recover and return to competition with eve commitment.	trength, and structured	
A 1. perseverence		
★ 2. committment		
X 4. tenasity		
	Question ID :	441009929804
	Option 1 ID :	4410093673171
	·	4410093673173
	· ·	4410093673170
	Option 4 ID :	4410093673172
Q Select the most appropriate ANTONYM for the underlined word based on . 7 A: His narrative is tedious—monotonous and painfully drawn out. B: Even compelling ideas got lost in the delivery.	the context of the converse	ation.
A 1. Credible		
A 1. Credible		
A 1. Credible		
A 1. Credible n s  2. Engaging		
A		
A	Question ID :	441009933149
A	Option 1 ID :	4410093686372
A	Option 1 ID :	4410093686372 4410093686370
A	Option 1 ID : Option 2 ID : Option 3 ID :	4410093686372

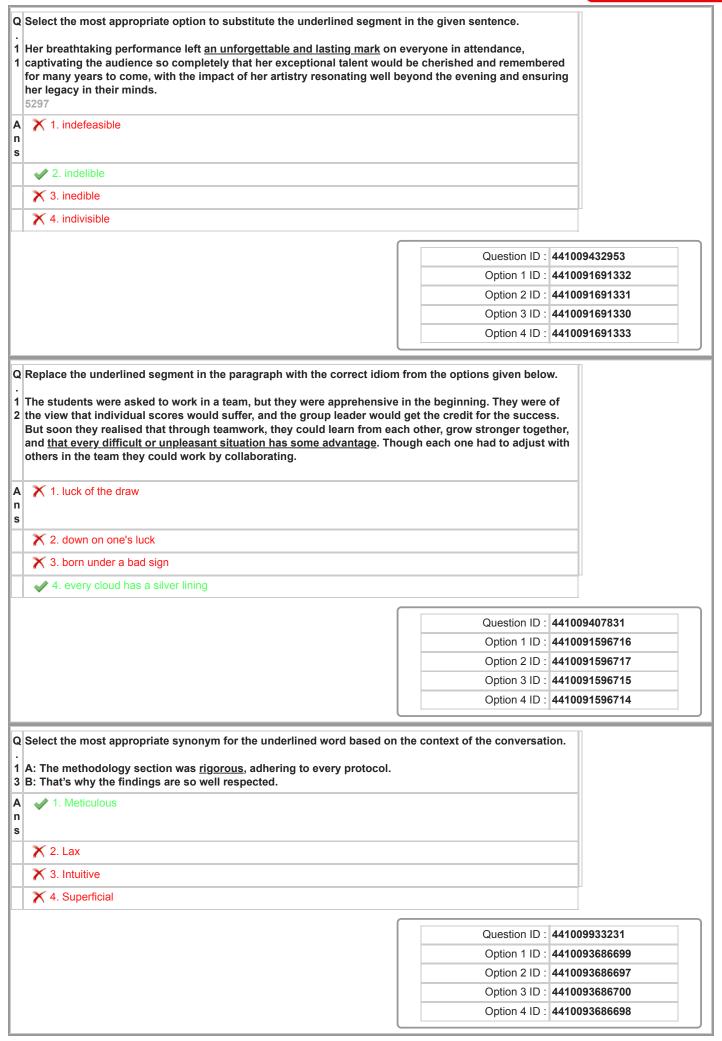




elect the most appropriate idiom that can substitute the un	derlined segment in the given sentence.
he new employee felt <u>very nervous and awkward</u> on his firs	st day.
✓ 1. like a fish out of water	
🔀 2. like spilling the beans	
★ 3. like hitting the sack	
★ 4. like breaking the ice	
	Question ID : 441009408503
	Option 1 ID : 4410091599405
	Option 2 ID : 4410091599404
	Option 3 ID : 4410091599402
	Option 4 ID : 4410091599403
lead the paragraph given below and identify the INCORREC	TIV 16 1
educed morale due to the abrupt transition.  1. strategik	
★ 2. significant	
X 3. implemented	
X 3. implemented X 4. productivity	
<ul><li>★ 3. implemented</li><li>★ 4. productivity</li></ul>	
	Question ID : 441009929447
	Option 1 ID : 4410093671745
	Option 1 ID : 4410093671745 Option 2 ID : 4410093671746
	Option 1 ID : 4410093671745  Option 2 ID : 4410093671746  Option 3 ID : 4410093671744
	Option 1 ID : 4410093671745 Option 2 ID : 4410093671746
	Option 1 ID : 4410093671745  Option 2 ID : 4410093671746  Option 3 ID : 4410093671744  Option 4 ID : 4410093671743
4. productivity  Select the most appropriate preposition to fill in the blank.  The discussion will focus the impact of climate chang	Option 1 ID : 4410093671745  Option 2 ID : 4410093671746  Option 3 ID : 4410093671744  Option 4 ID : 4410093671743
** 4. productivity  delect the most appropriate preposition to fill in the blank. The discussion will focus the impact of climate change 1. on	Option 1 ID : 4410093671745  Option 2 ID : 4410093671746  Option 3 ID : 4410093671744  Option 4 ID : 4410093671743
<ul> <li>★ 4. productivity</li> <li>Select the most appropriate preposition to fill in the blank.</li> <li>The discussion will focus the impact of climate chang</li> <li>★ 1. on</li> <li>★ 2. at</li> </ul>	Option 1 ID : 4410093671745  Option 2 ID : 4410093671746  Option 3 ID : 4410093671744  Option 4 ID : 4410093671743
<ul> <li>★ 4. productivity</li> <li>Select the most appropriate preposition to fill in the blank.</li> <li>The discussion will focus the impact of climate chang</li> <li>★ 1. on</li> <li>★ 2. at</li> <li>★ 3. in</li> </ul>	Option 1 ID : 4410093671745 Option 2 ID : 4410093671746 Option 3 ID : 4410093671744 Option 4 ID : 4410093671743
<ul> <li>★ 4. productivity</li> <li>Select the most appropriate preposition to fill in the blank.</li> <li>The discussion will focus the impact of climate chang</li> <li>★ 1. on</li> <li>★ 2. at</li> <li>★ 3. in</li> </ul>	Option 1 ID : 4410093671745 Option 2 ID : 4410093671746 Option 3 ID : 4410093671744 Option 4 ID : 4410093671743  The on coastal communities.  Question ID : 441009498476
<ul> <li>★ 4. productivity</li> <li>Select the most appropriate preposition to fill in the blank.</li> <li>The discussion will focus the impact of climate chang</li> <li>★ 1. on</li> <li>★ 2. at</li> <li>★ 3. in</li> </ul>	Option 1 ID : 4410093671745 Option 2 ID : 4410093671744 Option 3 ID : 4410093671744 Option 4 ID : 4410093671743  De on coastal communities.  Question ID : 441009498476 Option 1 ID : 4410091949117
<ul> <li>★ 4. productivity</li> <li>Select the most appropriate preposition to fill in the blank.</li> <li>The discussion will focus the impact of climate chang</li> <li>★ 1. on</li> <li>★ 2. at</li> <li>★ 3. in</li> </ul>	Question ID : 4410093671745  Option 2 ID : 4410093671744  Option 4 ID : 4410093671743  Question ID : 441009498476  Option 1 ID : 4410091949117  Option 2 ID : 4410091949118
<ul> <li>★ 4. productivity</li> <li>Select the most appropriate preposition to fill in the blank.</li> <li>The discussion will focus the impact of climate chang</li> <li>★ 1. on</li> <li>★ 2. at</li> <li>★ 3. in</li> </ul>	Option 1 ID : 4410093671745 Option 2 ID : 4410093671746 Option 3 ID : 4410093671744 Option 4 ID : 4410093671743  De on coastal communities.  Question ID : 441009498476 Option 1 ID : 4410091949117











	The workers have managed to finish the construction ahead of time,	2
1	The workers have managed to minsh the construction aread or time,	<del></del> ·
1	X 1. have they	
Ť	× 2. didn't they	
Ť	X 3. won't they	
Ť	✓ 4. haven't they	
		,
		Question ID : 441009929320
		Option 1 ID : 4410093671240
		Option 2 ID : 4410093671241
		Option 2 ID : 4440002674242
		Option 3 ID : 4410093671242
	Select the most appropriate option to fill in the blank.  She hadn't prepared the presentation slides in advance,?	Option 4 ID : 4410093671242
1 : 5	She hadn't prepared the presentation slides in advance,?  X 1. does she	
.	She hadn't prepared the presentation slides in advance,?  X 1. does she  X 2. didn't she	
1 : 5	She hadn't prepared the presentation slides in advance,?  X 1. does she  X 2. didn't she  3. had she	
1 : 5 4	She hadn't prepared the presentation slides in advance,?  X 1. does she  X 2. didn't she	
1 : 5 4	She hadn't prepared the presentation slides in advance,?  X 1. does she  X 2. didn't she  3. had she	
3	She hadn't prepared the presentation slides in advance,?  X 1. does she  X 2. didn't she  3. had she	Option 4 ID : 4410093671243
5 A	She hadn't prepared the presentation slides in advance,?  X 1. does she  X 2. didn't she  3. had she	Option 4 ID : 4410093671243  Question ID : 441009929281
1 : 5 4	She hadn't prepared the presentation slides in advance,?  X 1. does she  X 2. didn't she  3. had she	Question ID : 4410093671243  Question ID : 441009929281 Option 1 ID : 4410093671091





Read the given passage carefully and answer the questions that follow.

The Industrial Revolution marked a turning point in human history, bringing unparalleled advancements in technology and productivity. Societies transitioned from agrarian economies to industrial powerhouses, leading to significant improvements in living standards. However, this progress came at a cost. Urbanisation led to overcrowded cities and unsanitary living conditions, while the reliance on fossil fuels accelerated environmental degradation. The dichotomy of progress persists today, as technological innovations continue to enhance human life while posing ethical and environmental challenges.

For instance, the advent of artificial intelligence has revolutionised industries, enabling automation and reducing labour costs. Yet, it has also raised concerns about job displacement and privacy violations. Similarly, medical advancements have eradicated diseases, but they often remain inaccessible to marginalised populations due to economic disparities.

This paradoxical relationship between progress and its consequences urges societies to reflect on the nature of development. Progress cannot merely be measured in terms of GDP or technological prowess; it must also account for sustainability and inclusivity. As the world advances further into the 21<sup>st</sup> C entury, striking a balance between innovation and ethical responsibility becomes imperative. Only by adopting a holistic approach to progress can humanity ensure a future that is both prosperous and equitable.

SubQuestion No: 16

Q What is the most appropriate title for the passage?

1 13

6

A 1. Technological Innovation and Ethics

s

2. Sustainability in the 21<sup>st</sup> Century

3. The Paradox of Progress

4. The Industrial Revolution: A Turning Point

Question ID :	441009417902
Option 1 ID :	4410091636908
Option 2 ID :	4410091636909
Option 3 ID :	4410091636907
Option 4 ID :	4410091636906







Read the given passage carefully and answer the questions that follow.

The Industrial Revolution marked a turning point in human history, bringing unparalleled advancements in technology and productivity. Societies transitioned from agrarian economies to industrial powerhouses, leading to significant improvements in living standards. However, this progress came at a cost. Urbanisation led to overcrowded cities and unsanitary living conditions, while the reliance on fossil fuels accelerated environmental degradation. The dichotomy of progress persists today, as technological innovations continue to enhance human life while posing ethical and environmental challenges.

For instance, the advent of artificial intelligence has revolutionised industries, enabling automation and reducing labour costs. Yet, it has also raised concerns about job displacement and privacy violations. Similarly, medical advancements have eradicated diseases, but they often remain inaccessible to marginalised populations due to

This paradoxical relationship between progress and its consequences urges societies to reflect on the nature of development. Progress cannot merely be measured in terms of GDP or technological prowess; it must also account for sustainability and inclusivity. As the world advances further into the 21st C entury, striking a balance between innovation and ethical responsibility becomes imperative. Only by adopting a holistic approach to progress can humanity ensure a future that is both prosperous and equitable.

# SubQuestion No: 17

Q What is the central theme of the passage?

1 132

7 Α

1. The importance of economic development

n s

2. The dual impact of progress on humanity

X 3. Urbanisation and its challenges

4. The role of artificial intelligence in industries

Question ID :	441009417903
Option 1 ID :	4410091636913
Option 2 ID :	4410091636911
Option 3 ID :	4410091636910
Option 4 ID :	4410091636912





Read the given passage carefully and answer the questions that follow.

The Industrial Revolution marked a turning point in human history, bringing unparalleled advancements in technology and productivity. Societies transitioned from agrarian economies to industrial powerhouses, leading to significant improvements in living standards. However, this progress came at a cost. Urbanisation led to overcrowded cities and unsanitary living conditions, while the reliance on fossil fuels accelerated environmental degradation. The dichotomy of progress persists today, as technological innovations continue to enhance human life while posing ethical and environmental challenges.

For instance, the advent of artificial intelligence has revolutionised industries, enabling automation and reducing labour costs. Yet, it has also raised concerns about job displacement and privacy violations. Similarly, medical advancements have eradicated diseases, but they often remain inaccessible to marginalised populations due to economic disparities.

This paradoxical relationship between progress and its consequences urges societies to reflect on the nature of development. Progress cannot merely be measured in terms of GDP or technological prowess; it must also account for sustainability and inclusivity. As the world advances further into the 21<sup>st</sup> C entury, striking a balance between innovation and ethical responsibility becomes imperative. Only by adopting a holistic approach to progress can humanity ensure a future that is both prosperous and equitable.

130

#### SubQuestion No: 18

Q Which fact is mentioned in the passage?

1 133

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A n

S

1. Artificial intelligence has no ethical concerns.

✓ 2. The Industrial Revolution improved living standards

X 3. GDP is the sole measure of progress.

4. Economic disparities have been eliminated

Question ID :	441009417904
Option 1 ID :	4410091636914
Option 2 ID :	4410091636915
Option 3 ID :	4410091636917
Option 4 ID :	4410091636916







Read the given passage carefully and answer the questions that follow.

The Industrial Revolution marked a turning point in human history, bringing unparalleled advancements in technology and productivity. Societies transitioned from agrarian economies to industrial powerhouses, leading to significant improvements in living standards. However, this progress came at a cost. Urbanisation led to overcrowded cities and unsanitary living conditions, while the reliance on fossil fuels accelerated environmental degradation. The dichotomy of progress persists today, as technological innovations continue to enhance human life while posing ethical and environmental challenges.

For instance, the advent of artificial intelligence has revolutionised industries, enabling automation and reducing labour costs. Yet, it has also raised concerns about job displacement and privacy violations. Similarly, medical advancements have eradicated diseases, but they often remain inaccessible to marginalised populations due to economic disparities.

This paradoxical relationship between progress and its consequences urges societies to reflect on the nature of development. Progress cannot merely be measured in terms of GDP or technological prowess; it must also account for sustainability and inclusivity. As the world advances further into the 21<sup>st</sup> C entury, striking a balance between innovation and ethical responsibility becomes imperative. Only by adopting a holistic approach to progress can humanity ensure a future that is both prosperous and equitable.

130

#### SubQuestion No: 19

# Q What inference can be drawn from the passage?

**1** 134

9

A 1. Artificial intelligence is the only driver of future progress.

n s

2. Urbanisation is entirely beneficial for societies.

3. Technological advancements rarely pose challenges.

Question ID :	441009417905
Option 1 ID :	4410091636920
Option 2 ID :	4410091636918
Option 3 ID :	4410091636921
Option 4 ID :	4410091636919



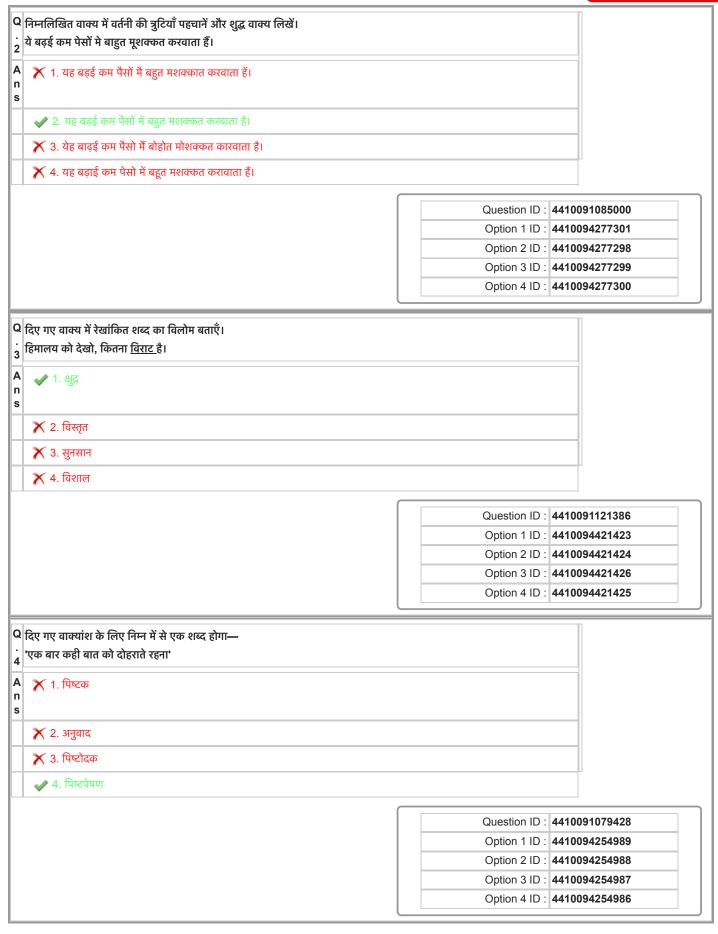


# Comprehension: Read the given passage carefully and answer the questions that follow. The Industrial Revolution marked a turning point in human history, bringing unparalleled advancements in technology and productivity. Societies transitioned from agrarian economies to industrial powerhouses, leading to significant improvements in living standards. However, this progress came at a cost. Urbanisation led to overcrowded cities and unsanitary living conditions, while the reliance on fossil fuels accelerated environmental degradation. The dichotomy of progress persists today, as technological innovations continue to enhance human life while posing ethical and environmental challenges. For instance, the advent of artificial intelligence has revolutionised industries, enabling automation and reducing labour costs. Yet, it has also raised concerns about job displacement and privacy violations. Similarly, medical advancements have eradicated diseases, but they often remain inaccessible to marginalised populations due to This paradoxical relationship between progress and its consequences urges societies to reflect on the nature of development. Progress cannot merely be measured in terms of GDP or technological prowess; it must also account for sustainability and inclusivity. As the world advances further into the 21st C entury, striking a balance between innovation and ethical responsibility becomes imperative. Only by adopting a holistic approach to progress can humanity ensure a future that is both prosperous and equitable. SubQuestion No: 20 Q What is the tone of the passage? 2 135 0 Α X 1. Sarcastic n X 2. Neutral X 3. Optimistic 4. Cautionary Question ID : 441009417906 Option 1 ID : 4410091636924

Option 2 ID : **4410091636925** Option 3 ID : **4410091636922** Option 4 ID : **4410091636923** 

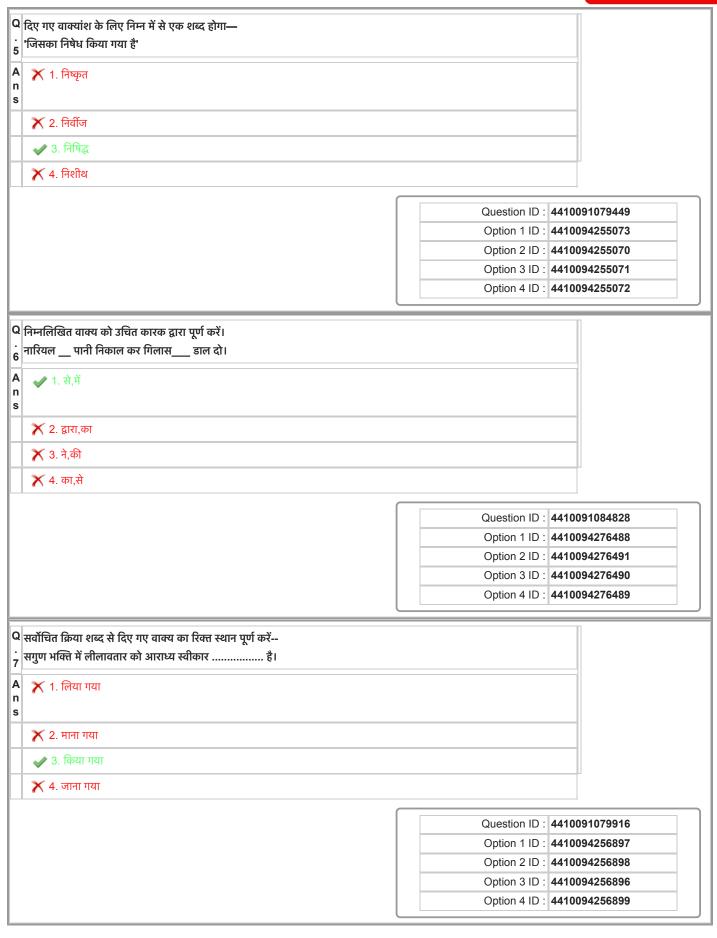
















वाक्य-विन्यास की दृष्टि से दिये गये वाक्य का शुद्ध रूप पहचानें—		
मध्ययुग में कृष्णभक्ति का प्रचार ब्रजमण्डल में बड़े उत्साह के हुआ साथ।		
🗶 १. प्रचार मध्ययुग में कृष्णभक्ति का ब्रजमण्डल में बड़े उत्साह के साथ हुआ।		
🗶 २. मध्ययुग में कृष्णभक्ति का प्रचार बड़े उत्साह के साथ हुआ ब्रजमण्डल में ।		
🗙 ३. मध्ययुग में प्रचार ब्रजमण्डल में बड़े उत्साह के साथ हुआ कृष्णभक्ति का।		
	Question ID :	4410091079329
	Option 1 ID :	4410094254595
	Option 2 ID :	4410094254596
		4410094254597
	Option 4 ID :	4410094254594
<ul><li>※ 3. रुलाना</li><li>✓ 4. हँसाना</li></ul>		
	Question ID :	4410091079915
	Option 1 ID :	4410094256895
	·	4410094256893
		4410094256894
	Option 4 ID :	4410094256892
वर्तनी की दृष्टि से दिए गए वाक्य के किस अंश में त्रुटि है? सन् 1893 में विवेकानंद विश्वधरम संसद में सम्मिलित होने के लिए शिकागो गये।		
🗶 2. लिए शिकागो गये।		
🗙 २. लिए शिकागो गये। 🗙 ३. सन् १८९३ में विवेकानंद		
🗶 2. लिए शिकागो गये।		
🗙 २. लिए शिकागो गये। 🗙 ३. सन् १८९३ में विवेकानंद	Question ID :	4410091083437
🗙 २. लिए शिकागो गये। 🗙 ३. सन् १८९३ में विवेकानंद		4410091083437 4410094270829
🗙 २. लिए शिकागो गये। 🗙 ३. सन् १८९३ में विवेकानंद	Option 1 ID :	4410094270829 4410094270830
🗙 २. लिए शिकागो गये। 🗙 ३. सन् १८९३ में विवेकानंद	Option 1 ID : Option 2 ID : Option 3 ID :	4410094270829

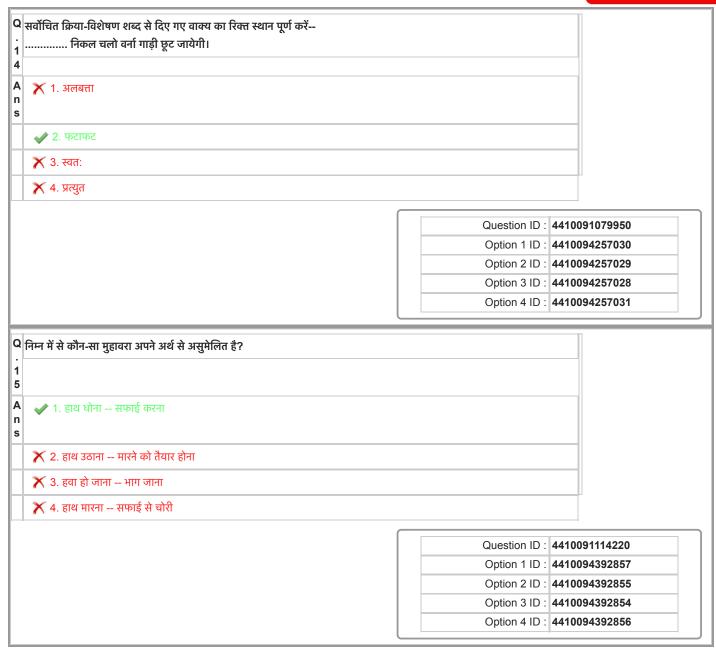




<b>Q</b> वाक्य-विन्यास की दृष्टि से दिये ग	ये वाक्य का शुद्ध रूप पहचानें—
कृष्णविषयक काव्य का प्राचुर्य बा	रहवीं शताब्दी के बाद मिलता है देखने को।
1	
A X 1. कृष्णविषयक काव्य का ! n s	प्राचुर्य शताब्दी बारहवीं के बाद देखने को मिलता है।
🗶 २. प्राचुर्य कृष्णविषयक काव	व्य का बारहवीं शताब्दी के बाद देखने को मिलता है।
🗙 ३. काव्य का कृष्णविषयक !	प्राचुर्य बारहवीं शताब्दी के बाद देखने को मिलता है।
	प्राचुर्य बारहवीं शताब्दी के बाद देखने को मिलता है।
	Question ID : 4410091079296
	Option 1 ID : 4410094254473
	Option 2 ID : <b>4410094254470</b>
	Option 3 ID : <b>4410094254472</b>
	Option 4 ID : <b>4410094254471</b>
प सर्वोचित क्रिया शब्द से दिए गए व ं बड़ों से उनका अनुभव जानना जीने	
2	
<b>A</b> ✓ 1. बनता है	
n	
S	
🗙 २. दिखाता है	
🗙 ३. सकता है	
🗙 4. सिखाता है	
	Question ID : 4410091079931
	Option 1 ID : <b>4410094256953</b>
	Option 2 ID : <b>4410094256955</b>
	Option 3 ID : <b>4410094256952</b>
	Option 4 ID : <b>4410094256954</b>
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	Option 4 ID : <b>4410094256954</b>
्र पुराने समय में राज्य का <u>राजा</u> ही र	Option 4 ID : <b>4410094256954</b>
ं पुराने समय में राज्य का <u>राजा</u> ही र 3	Option 4 ID : <b>4410094256954</b>
1 3 3 A n	Option 4 ID : <b>4410094256954</b>
े पुराने समय में राज्य का <u>राजा</u> ही र 3 A n	Option 4 ID : <b>4410094256954</b>
े पुराने समय में राज्य का <u>राजा</u> ही र 3 A n s	Option 4 ID : <b>4410094256954</b>
पुराने समय में राज्य का <u>राजा</u> ही र 3  A  n  s  ✓ 2. रंक	Option 4 ID : <b>4410094256954</b>
े पुराने समय में राज्य का <u>राजा</u> ही र 3 A ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	Option 4 ID : 4410094256954
े पुराने समय में राज्य का <u>राजा</u> ही र 3 A ↑ ↑ ↑ ↑ ↑ 1. नेता • • • • • • • • • • • • •	Option 4 ID : 4410094256954
े पुराने समय में राज्य का <u>राजा</u> ही र 3 A ↑ ↑ ↑ ↑ ↑ 1. नेता • • • • • • • • • • • • •	Question ID : 4410094256954  Question ID : 4410091121372 Option 1 ID : 4410094421369
े पुराने समय में राज्य का <u>राजा</u> ही र 3 A ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	Option 4 ID : 4410094256954         ब्रिक्ट का विलोम बताएँ।         सारे निर्णय लेता था।         Question ID : 4410091121372         Option 1 ID : 4410094421369         Option 2 ID : 4410094421367
3 A n s	Question ID : 4410094256954  Question ID : 4410091121372 Option 1 ID : 4410094421369











दिए गए गद्यांश के आधार पर निम्नांकित प्रश्नों के उत्तर दीजिए--

स्वच्छंदतावाद की प्रमुख विशेषताओं में हैं -- वन का महत्व, प्रकृति-पर्यवेक्षण, प्रेम का स्वच्छंद भंगिमाओं में चित्रण और बैलैंड या कथा-गीत का प्रयोग, और काव्यभाषा के रूप में खड़ी बोली की स्वीकृति । श्रीधर पाठक के प्रकृति-काव्य में यदि जीवन से लगाव की ओर संकेत है तो वहीं ऐहिकता का भाव भी फूटता दिखाई देता है । प्रकृति को यहाँ रीतिकाल जैसी उद्दीपन की भूमिका से मुक्त किया गया । उत्तर रीतिकाल के घटिया काव्य में नारी को महज भोग्य उपकरण मान लिया गया था । छायावाद ने नारी को इस निष्क्रिय- शिथिल रूप में चित्रित करने का विरोध किया । कुछ वैसे ही स्वच्छंदतावाद ने अग्रणी स्थिति में प्रकृति को निष्क्रिय सजावट के तौर पर नहीं देखा, उसे अपने में जीवन का एक सजीव पक्ष मान कर चित्रित किया । श्रीधर पाठक उन विरल रचनाकारों में हैं, जिनकी प्रशंसा में हिंदी साहित्य के सबसे बड़े संपादक महावीरप्रसाद द्विवेदी तथा सबसे बड़े आलोचक रामचंद्र शुक्ल ने कविताएँ लिखी थीं । श्रीधर पाठक के बाद स्वच्छंदतावादी धारा में मुकुटधर पांडेय, लोचनप्रसाद पांडेय तथा रूपनारायण पांडेय काव्य-रचना कर रहे थे । रामनरेश त्रिपाठी में जहाँ स्वच्छंतावाद का सहज उल्लास है, वहीं भाषा का अनुशासन भी पूरा है । 'मिलन', 'पथिक' तथा 'स्वप्न' शीर्षक कवि के तीन खंड-काव्य छायावाद-पूर्व कविता की उल्लेखनीय उपलब्धियाँ हैं । वे मूलतः कवि हैं, ग्राम-गीतों के संकलन का आरंभिक कार्य उन्होंने किया, 'कविता-कौमुदी' नाम से कई जिल्दों में हिंदी, उर्दू, बंगला आदि काव्य-धाराओं का आलोचनात्मक सामग्री के साथ संकलन-संपादन किया।

SubQuestion No : 16

Q निम्न में से स्वच्छंदतावाद की विशेषता कौन-सी नहीं है?

1 6

A X 1. कथा-गीत का प्रयोग

s

🖋 २. खड़ी बोली हिंदी की अस्वीकृति

💢 ३. प्रेम का उन्मुक्त चित्रण

🗶 ४. प्रकृति पर्यवेक्षण

Question ID :	4410091114201
Option 1 ID :	4410094392780
Option 2 ID :	4410094392781
Option 3 ID :	4410094392779
Option 4 ID :	4410094392778





दिए गए गद्यांश के आधार पर निम्नांकित प्रश्नों के उत्तर दीजिए--

स्वच्छंदतावाद की प्रमुख विशेषताओं में हैं -- वन का महत्व, प्रकृति-पर्यवेक्षण, प्रेम का स्वच्छंद भंगिमाओं में चित्रण और बैलैंड या कथा-गीत का प्रयोग, और काव्यभाषा के रूप में खड़ी बोली की स्वीकृति । श्रीधर पाठक के प्रकृति-काव्य में यदि जीवन से लगाव की ओर संकेत है तो वहीं ऐहिकता का भाव भी फूटता दिखाई देता है । प्रकृति को यहाँ रीतिकाल जैसी उद्दीपन की भूमिका से मुक्त किया गया । उत्तर रीतिकाल के घटिया काव्य में नारी को महज भोग्य उपकरण मान लिया गया था । छायावाद ने नारी को इस निष्क्रिय- शिथिल रूप में चित्रित करने का विरोध किया । कुछ वैसे ही स्वच्छंदतावाद ने अग्रणी स्थिति में प्रकृति को निष्क्रिय सजावट के तौर पर नहीं देखा, उसे अपने में जीवन का एक सजीव पक्ष मान कर चित्रित किया । श्रीधर पाठक उन विरल रचनाकारों में हैं, जिनकी प्रशंसा में हिंदी साहित्य के सबसे बड़े संपादक महावीरप्रसाद द्विवेदी तथा सबसे बड़े आलोचक रामचंद्र शुक्ल ने कविताएँ लिखी थीं । श्रीधर पाठक के बाद स्वच्छंदतावादी धारा में मुकुटधर पांडेय, लोचनप्रसाद पांडेय तथा रूपनारायण पांडेय काव्य-रचना कर रहे थे । रामनरेश त्रिपाठी में जहाँ स्वच्छंतावाद का सहज उल्लास है, वहीं भाषा का अनुशासन भी पूरा है । 'मिलन', 'पथिक' तथा 'स्वप्न' शीर्षक कवि के तीन खंड-काव्य छायावाद-पूर्व कविता की उल्लेखनीय उपलब्धियाँ हैं । वे मूलतः कवि हैं, ग्राम-गीतों के संकलन का आरंभिक कार्य उन्होंने किया, 'कविता-कौमुदी' नाम से कई जिल्दों में हिंदी, उर्दू, बंगला आदि काव्य-धाराओं का आलोचनात्मक सामग्री के साथ संकलन-संपादन किया।

SubQuestion No : 17

Q 'कविता कौमुदी' निम्न में से किसकी कृति है--

7

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A 🕢 1. रामनरेश त्रिपाठी

200

🗶 २. रूपनारायण पांडेय

💢 ३. लोचनप्रसाद पांडेय

🗶 ४. मुकुटधर पांडेय

Question ID :	4410091114202
Option 1 ID :	4410094392784
Option 2 ID :	4410094392785
Option 3 ID :	4410094392783
Option 4 ID :	4410094392782





दिए गए गद्यांश के आधार पर निम्नांकित प्रश्नों के उत्तर दीजिए--

स्वच्छंदतावाद की प्रमुख विशेषताओं में हैं -- वन का महत्व, प्रकृति-पर्यवेक्षण, प्रेम का स्वच्छंद भंगिमाओं में चित्रण और बैलैंड या कथा-गीत का प्रयोग, और काव्यभाषा के रूप में खड़ी बोली की स्वीकृति । श्रीधर पाठक के प्रकृति-काव्य में यदि जीवन से लगाव की ओर संकेत है तो वहीं ऐहिकता का भाव भी फूटता दिखाई देता है । प्रकृति को यहाँ रीतिकाल जैसी उद्दीपन की भूमिका से मुक्त किया गया । उत्तर रीतिकाल के घटिया काव्य में नारी को महज भोग्य उपकरण मान लिया गया था । छायावाद ने नारी को इस निष्क्रिय- शिथिल रूप में चित्रित करने का विरोध किया । कुछ वैसे ही स्वच्छंदतावाद ने अग्रणी स्थिति में प्रकृति को निष्क्रिय सजावट के तौर पर नहीं देखा, उसे अपने में जीवन का एक सजीव पक्ष मान कर चित्रित किया । श्रीधर पाठक उन विरल रचनाकारों में हैं, जिनकी प्रशंसा में हिंदी साहित्य के सबसे बड़े संपादक महावीरप्रसाद द्विवेदी तथा सबसे बड़े आलोचक रामचंद्र शुक्ल ने कविताएँ लिखी थीं । श्रीधर पाठक के बाद स्वच्छंदतावादी धारा में मुकुटधर पांडेय, लोचनप्रसाद पांडेय तथा रूपनारायण पांडेय काव्य-रचना कर रहे थे । रामनरेश त्रिपाठी में जहाँ स्वच्छंतावाद का सहज उल्लास है, वहीं भाषा का अनुशासन भी पूरा है । 'मिलन', 'पथिक' तथा 'स्वप्न' शीर्षक किय के तीन खंड-काव्य छायावाद-पूर्व किवता की उल्लेखनीय उपलब्धियाँ हैं । वे मूलतः किव हैं, ग्राम-गीतों के संकलन का आरंभिक कार्य उन्होंने किया, 'कविता-कौमुदी' नाम से कई जिल्दों में हिंदी, उर्दू, बंगला आदि काव्य-धाराओं का आलोचनात्मक सामग्री के साथ संकलन-संपादन किया।

SubQuestion No: 18

Q स्वच्छंदतावाद के प्रकृति काव्य की विशेषता निम्न में से कौन-सी नहीं है?

8

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A X 1. वनों के महत्व का आकलन

🗶 २. जीवन से लगाव की ओर संकेत

🥓 3. प्रकृति का उद्दीपक रूप में वर्णन

🗶 ४. ऐहिकता के भाव का प्रकटन

Question ID :	4410091114203
Option 1 ID :	4410094392788
Option 2 ID :	4410094392786
Option 3 ID :	4410094392789
Option 4 ID :	4410094392787





दिए गए गद्यांश के आधार पर निम्नांकित प्रश्नों के उत्तर दीजिए--

स्वच्छंदतावाद की प्रमुख विशेषताओं में हैं -- वन का महत्व, प्रकृति-पर्यवेक्षण, प्रेम का स्वच्छंद भंगिमाओं में चित्रण और बैलैंड या कथा-गीत का प्रयोग, और काव्यभाषा के रूप में खड़ी बोली की स्वीकृति । श्रीधर पाठक के प्रकृति-काव्य में यदि जीवन से लगाव की ओर संकेत है तो वहीं ऐहिकता का भाव भी फूटता दिखाई देता है । प्रकृति को यहाँ रीतिकाल जैसी उद्दीपन की भूमिका से मुक्त किया गया । उत्तर रीतिकाल के घटिया काव्य में नारी को महज भोग्य उपकरण मान लिया गया था । छायावाद ने नारी को इस निष्क्रिय- शिथिल रूप में चित्रित करने का विरोध किया । कुछ वैसे ही स्वच्छंदतावाद ने अग्रणी स्थिति में प्रकृति को निष्क्रिय सजावट के तौर पर नहीं देखा, उसे अपने में जीवन का एक सजीव पक्ष मान कर चित्रित किया । श्रीधर पाठक उन विरल रचनाकारों में हैं, जिनकी प्रशंसा में हिंदी साहित्य के सबसे बड़े संपादक महावीरप्रसाद द्विवेदी तथा सबसे बड़े आलोचक रामचंद्र शुक्ल ने कविताएँ लिखी थीं । श्रीधर पाठक के बाद स्वच्छंदतावादी धारा में मुकुटधर पांडेय, लोचनप्रसाद पांडेय तथा रूपनारायण पांडेय काव्य-रचना कर रहे थे । रामनरेश त्रिपाठी में जहाँ स्वच्छंतावाद का सहज उल्लास है, वहीं भाषा का अनुशासन भी पूरा है । 'मिलन', 'पथिक' तथा 'स्वप्न' शीर्षक किया, 'कविता-कौमुदी' नाम से कई जिल्दों में हिंदी, उर्दू, बंगला आदि काव्य-धाराओं का आलोचनात्मक सामग्री के साकलन-संपादन किया।

SubQuestion No: 19

Q रामचंद्र शुक्ल तथा महावीर प्रसाद द्विवेदी ने निम्न में से किस साहित्यकार की प्रशंसा की है?

9

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A X 1. रामनरेश त्रिपाठी

🗶 २. कबीर

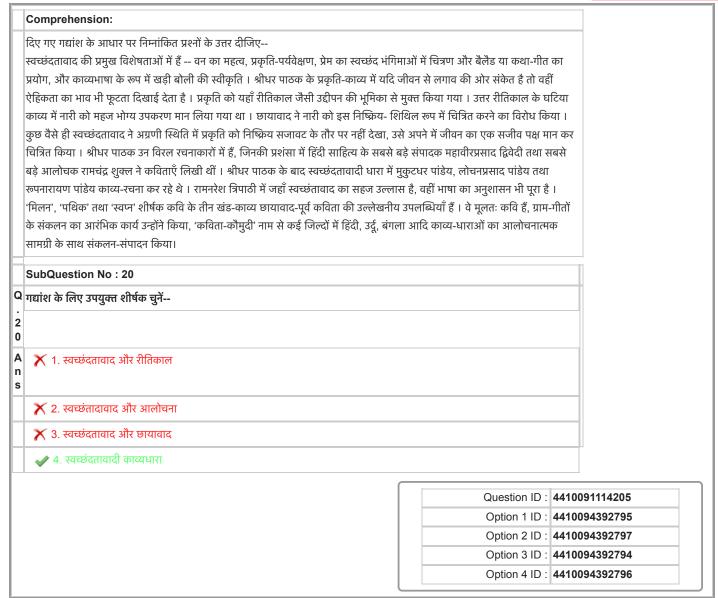
💢 ३. मुकुटधर पांडेय

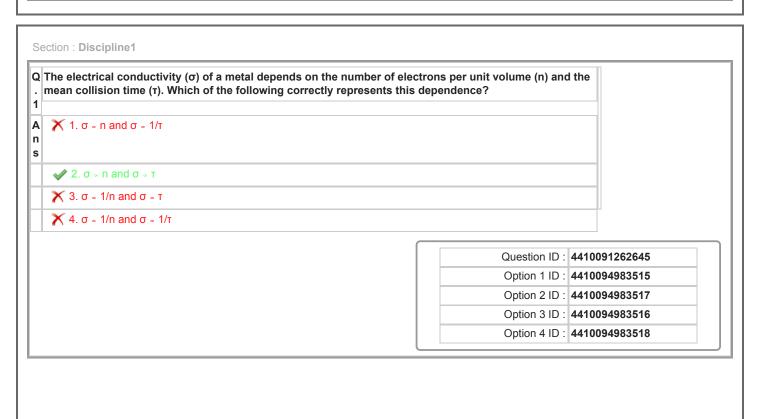
🚀 ४. श्रीधर पाठक

Question ID : 4410091114204	
Option 1 ID : 4410094392791	
Option 2 ID : 4410094392793	
Option 3 ID : 4410094392792	
Option 4 ID : 4410094392790	













Q On what factors does the EMF of a cell depend?	
2	
A X 1. The size of the cell	
n s	
✓ 2. Both the nature of electrodes and electrolyte	
X 3. The nature of electrodes only	
X 4. The nature of electrolyte only	
	Question ID: 4410091231812
	Option 1 ID : 4410094860892
	Option 2 ID : 4410094860891
	Option 3 ID : 4410094860889
	Option 4 ID : <b>4410094860890</b>
Q Which of the following is the application of gamma rays?	
3	
A 1. Used in medicine to destroy cancer cells	
n	
S	
X 2. Used as a diagnostic tool in medicine	
★ 3. Used in lamps to kill germs in water purifiers	
X 4. Used in LASIK eye surgery	
<u> </u>	
	Question ID : 4410091271160
	Option 1 ID : 4410095016598
	Option 2 ID : 4410095016596
	Option 4 ID : 4410095016597
	Option 4 ID : 4410095016599
O Military of the fall accines in the angular space for union the Hamiltonia	anna in transfermana
Q Which of the following is the correct reason for using the 'laminated' .	cores in transformers?
4	
A 1. To reduce the Eddy current loss	
n s	
★ 2. To reduce the resistance of the windings	
X 3. To reduce the Hysteresis loss	
X 4. To reduce the flux leakage	
* 1 12 10 10 10 10 10 10 10 10 10 10 10 10 10	
	Question ID : 4410091271105
	Option 1 ID : 4410095016371
	Option 2 ID : 4410095016368
	Option 3 ID : 4410095016369
	Option 4 ID : 4410095016370





. [	Which of the following statements correctly describes the total energy st	ored in the Ideal LC circuit?
	★ 1. It constantly decreases due to the oscillation.	
	X 2. It remains constant and is always stored in the electric field of the capa	acitor.
		and the inductor's magnetic field.
	X 4. It remains constant and is always stored in the magnetic field of the inc	ductor.
		Question ID : 4410091271142
		Option 1 ID : 4410095016519
		Option 2 ID : 4410095016517
		Option 3 ID : 4410095016516
		Option 4 ID : 4410095016518
		п
(	Ohm's law in terms of resistivity (ρ) is expressed as	
	(Here, E = electric field, j = current density, V = potential difference, I = cu	rrent in the conductor)
	<b>√</b> 1. E = ρ j	
	<b>X</b> 2.1 = ρ V	
$\times$ 3. $\vee$ = $\rho$ I		
	<b>X</b> 4. j = ρ E	
	**************************************	
		Question ID: 4410091262685
		Option 1 ID : 4410094983672
		Option 1 ID : <b>4410094983672</b> Option 2 ID : <b>4410094983674</b>
		Option 2 ID : 4410094983674
		Option 2 ID : 4410094983674 Option 3 ID : 4410094983671
		Option 2 ID : 4410094983674
	In a metallic conductor at constant temperature, the electric current is pr	Option 2 ID : 4410094983674  Option 3 ID : 4410094983671  Option 4 ID : 4410094983673
	In a metallic conductor at constant temperature, the electric current is pr	Option 2 ID : 4410094983674  Option 3 ID : 4410094983671  Option 4 ID : 4410094983673
		Option 2 ID : 4410094983674  Option 3 ID : 4410094983671  Option 4 ID : 4410094983673
	In a metallic conductor at constant temperature, the electric current is pr  1. resistance of the conductor	Option 2 ID : 4410094983674  Option 3 ID : 4410094983671  Option 4 ID : 4410094983673
		Option 2 ID : 4410094983674  Option 3 ID : 4410094983671  Option 4 ID : 4410094983673
		Option 2 ID : 4410094983674  Option 3 ID : 4410094983671  Option 4 ID : 4410094983673
	★ 1. resistance of the conductor	Option 2 ID : 4410094983674  Option 3 ID : 4410094983671  Option 4 ID : 4410094983673
	<ul><li>★ 1. resistance of the conductor</li><li>★ 2. reciprocal of applied voltage</li></ul>	Option 2 ID : 4410094983674  Option 3 ID : 4410094983671  Option 4 ID : 4410094983673
	<ul> <li>★ 1. resistance of the conductor</li> <li>★ 2. reciprocal of applied voltage</li> <li>✓ 3. voltage across the conductor</li> </ul>	Option 2 ID : 4410094983674 Option 3 ID : 4410094983671 Option 4 ID : 4410094983673  oportional to
	<ul> <li>★ 1. resistance of the conductor</li> <li>★ 2. reciprocal of applied voltage</li> <li>✓ 3. voltage across the conductor</li> </ul>	Option 2 ID : 4410094983674 Option 3 ID : 4410094983671 Option 4 ID : 4410094983673  Oportional to  Question ID : 4410091231825
	<ul> <li>★ 1. resistance of the conductor</li> <li>★ 2. reciprocal of applied voltage</li> <li>✓ 3. voltage across the conductor</li> </ul>	Option 2 ID : 4410094983674 Option 3 ID : 4410094983671 Option 4 ID : 4410094983673  Oportional to  Question ID : 4410091231825 Option 1 ID : 4410094860942
	<ul> <li>★ 1. resistance of the conductor</li> <li>★ 2. reciprocal of applied voltage</li> <li>✓ 3. voltage across the conductor</li> </ul>	Option 2 ID : 4410094983674 Option 3 ID : 4410094983671 Option 4 ID : 4410094983673  Oportional to  Question ID : 4410091231825 Option 1 ID : 4410094860942 Option 2 ID : 4410094860943
	<ul> <li>★ 1. resistance of the conductor</li> <li>★ 2. reciprocal of applied voltage</li> <li>✓ 3. voltage across the conductor</li> </ul>	Option 2 ID : 4410094983674 Option 3 ID : 4410094983671 Option 4 ID : 4410094983673  Oportional to  Question ID : 4410091231825 Option 1 ID : 4410094860942





the expression for equivalent EMF ( $E_{eq}$ )?  A $\checkmark$ 1. $E_{eq} = (E_1r_2 + E_2r_1) / (r_1 + r_2)$		
$\checkmark$ 1. $E_{eq} = (E_1 r_2 + E_2 r_1) / (r_1 + r_2)$		
$\times$ 2. $E_{eq} = (E_1 r_1 + E_2 r_2) / (r_1 + r_2)$		
$\times$ 3. $E_{eq} = E_1/r_1 + E_2/r_2$		
$\times$ 4. $E_{eq} = (E_1 + E_2)/2$		
5 - Cq - 1 - 2		
	Question ID : 4410091231819	
	Option 1 ID : 4410094860918	
	Option 2 ID : 4410094860919	
	Option 3 ID : 4410094860920	
	Option 4 ID : 4410094860917	
In a series LCR circuit driven at resonance, the voltages	П	
★ 1. both zero		
× 2 and in manifolds and in some phase		
2. equal in magnitude and in same phase		
X 4. different in magnitude and in same phase		
	Question ID : 4410091231830	
	Option 1 ID : 4410094860961	
	Option 2 ID : 4410094860963	
	Option 3 ID : 4410094860962	
	Option 4 ID : 4410094860964	
Q Under which condition is the emf of a cell equal to the potential difference between its two electrodes?  1 0  A		
	erence between the two electrodes	
1. The emf of a cell is always equal to the potential differential difference in the potential difference in the p	erence between the two electrodes	
<ul><li>★ 1. The emf of a cell is always equal to the potential difference</li><li>★ 2. When the cell is connected in a closed circuit</li></ul>	erence between the two electrodes	
1. The emf of a cell is always equal to the potential differential difference in the potential difference in the p	erence between the two electrodes	
<ul> <li>★ 1. The emf of a cell is always equal to the potential difference.</li> <li>★ 2. When the cell is connected in a closed circuit.</li> <li>★ 3. When the cell is connected in an open circuit.</li> </ul>		
<ul> <li>★ 1. The emf of a cell is always equal to the potential difference.</li> <li>★ 2. When the cell is connected in a closed circuit.</li> <li>★ 3. When the cell is connected in an open circuit.</li> </ul>	Question ID: 4410091202635	
<ul> <li>★ 1. The emf of a cell is always equal to the potential difference.</li> <li>★ 2. When the cell is connected in a closed circuit.</li> <li>★ 3. When the cell is connected in an open circuit.</li> </ul>	Question ID : 4410091202635 Option 1 ID : 4410094744095	
<ul> <li>★ 1. The emf of a cell is always equal to the potential difference.</li> <li>★ 2. When the cell is connected in a closed circuit.</li> <li>★ 3. When the cell is connected in an open circuit.</li> </ul>	Question ID: 4410091202635 Option 1 ID: 4410094744095 Option 2 ID: 4410094744094	
<ul> <li>★ 1. The emf of a cell is always equal to the potential difference.</li> <li>★ 2. When the cell is connected in a closed circuit.</li> <li>★ 3. When the cell is connected in an open circuit.</li> </ul>	Question ID : 4410091202635 Option 1 ID : 4410094744095	





true?	hich of the following statements is
✓ 1. The equivalent resistance is smaller than either of the two resist	tances.
★ 2. The equivalent resistance cannot be determined.	
✗ 3. The equivalent resistance is greater than either of the two resistance	ances.
X 4. The equivalent resistance is zero.	
	Question ID : 4410091202692
	Option 1 ID : 4410094744317
	Option 2 ID : 4410094744319
	Option 3 ID : 4410094744318
	Option 4 ID : 4410094744316
<ul><li>X 2. 12 A</li><li>✓ 3. 8 A</li><li>X 4. 48 A</li></ul>	Question ID: 4410091241487
	Option 1 ID : 4410094899303  Option 2 ID : 4410094899300  Option 3 ID : 4410094899301  Option 4 ID : 4410094899302
	Option 2 ID : 4410094899300
According to Faraday's law of electromagnetic induction, in which be induced in a coil?  1. When the magnet is pushed into the coil	Option 2 ID : 4410094899300 Option 3 ID : 4410094899301 Option 4 ID : 4410094899302
be induced in a coil?  1. When the magnet is pushed into the coil	Option 2 ID : 4410094899300 Option 3 ID : 4410094899301 Option 4 ID : 4410094899302
be induced in a coil?   ★ 1. When the magnet is pushed into the coil   2. When the magnet is held stationary near the coil	Option 2 ID : 4410094899300 Option 3 ID : 4410094899301 Option 4 ID : 4410094899302
be induced in a coil?  *\times 1. When the magnet is pushed into the coil  *\times 2. When the magnet is held stationary near the coil  *\times 3. When the magnet is moving toward the coil	Option 2 ID : 4410094899300 Option 3 ID : 4410094899301 Option 4 ID : 4410094899302
be induced in a coil?   ★ 1. When the magnet is pushed into the coil   2. When the magnet is held stationary near the coil	Option 2 ID : 4410094899300 Option 3 ID : 4410094899301 Option 4 ID : 4410094899302
be induced in a coil?  *\times 1. When the magnet is pushed into the coil  *\times 2. When the magnet is held stationary near the coil  *\times 3. When the magnet is moving toward the coil	Option 2 ID : 4410094899300 Option 3 ID : 4410094899301 Option 4 ID : 4410094899302
be induced in a coil?  *\times 1. When the magnet is pushed into the coil  *\times 2. When the magnet is held stationary near the coil  *\times 3. When the magnet is moving toward the coil	Option 2 ID : 4410094899300 Option 3 ID : 4410094899301 Option 4 ID : 4410094899302  of the following situations will no EMF
be induced in a coil?  *\times 1. When the magnet is pushed into the coil  *\times 2. When the magnet is held stationary near the coil  *\times 3. When the magnet is moving toward the coil	Option 2 ID : 4410094899300 Option 3 ID : 4410094899301 Option 4 ID : 4410094899302  of the following situations will no EMF  Question ID : 4410091241527
be induced in a coil?  *\times 1. When the magnet is pushed into the coil  *\times 2. When the magnet is held stationary near the coil  *\times 3. When the magnet is moving toward the coil	Option 2 ID : 4410094899300 Option 3 ID : 4410094899301 Option 4 ID : 4410094899302  of the following situations will no EMF  Question ID : 4410091241527 Option 1 ID : 4410094899459





Q Under which condition is Ohm's law applicable?	
1	
4 X 1. Semiconductors operating at elevated temperature	28
2. Metallic conductors when temperature remains cor	nstant
★ 3. All types of conductors in every condition	
X 4. Electrolytes undergoing chemical change	
	Question ID : 4410091241497
	Option 1 ID : 4410094899342
	Option 2 ID : 4410094899341
	Option 3 ID : <b>4410094899340</b>
	Option 4 ID : 4410094899343
A carbon resistor is marked with the colour bands: Rec value (with tolerance) of this resistor?	d, Black, Brown and Gold. What is the resistance
× 1.20 Ω ± 20%	
$\times 2.200 \Omega \pm 20\%$	
$\times$ 3.20 $\Omega$ ± 5%	
✓ 4.200 Ω ± 5%	The state of the s
*	
	Question ID : 4410091241468
	Option 1 ID : 4410094899227
	2 11 2 12 11 11 11 11 11
	Option 2 ID : 4410094899225
	Option 3 ID : 4410094899226
Two cells with EMFs of 2 V and 6 V, interesting equivalent EMF ( $E_{eq}$ ) of this combination?	Option 3 ID : 4410094899226 Option 4 ID : 4410094899224  mal resistances of 2 $\Omega$ and 4 $\Omega$ , respective
equivalent EMF (E <sub>eq</sub> ) of this combination?	Option 3 ID : 4410094899226 Option 4 ID : 4410094899224  mal resistances of 2 $\Omega$ and 4 $\Omega$ , respective
equivalent EMF (E <sub>eq</sub> ) of this combination?	Option 3 ID : 4410094899226 Option 4 ID : 4410094899224  mal resistances of 2 $\Omega$ and 4 $\Omega$ , respective
equivalent EMF (E <sub>eq</sub> ) of this combination?  × 1.1.5 V  × 2.0.33 V	Option 3 ID : 4410094899226 Option 4 ID : 4410094899224  mal resistances of 2 $\Omega$ and 4 $\Omega$ , respective
equivalent EMF (E <sub>eq</sub> ) of this combination?  × 1.1.5 V  × 2.0.33 V  • 3.3.33 V	Option 3 ID : 4410094899226 Option 4 ID : 4410094899224  mal resistances of 2 $\Omega$ and 4 $\Omega$ , respective
equivalent EMF (E <sub>eq</sub> ) of this combination?  × 1.1.5 V  × 2.0.33 V	Option 3 ID : 4410094899226 Option 4 ID : 4410094899224  mal resistances of 2 Ω and 4 Ω, respective
equivalent EMF (E <sub>eq</sub> ) of this combination?  × 1.1.5 V  × 2.0.33 V  • 3.3.33 V	Option 3 ID : 4410094899226 Option 4 ID : 4410094899224  mal resistances of 2 Ω and 4 Ω, respective  Question ID : 4410091209069
equivalent EMF (E <sub>eq</sub> ) of this combination?  **X 1.1.5 V  **X 2.0.33 V  **X 3.3.33 V	Option 3 ID : 4410094899226 Option 4 ID : 4410094899224  mal resistances of 2 Ω and 4 Ω, respective  Question ID : 4410091209069 Option 1 ID : 4410094769779
equivalent EMF (E <sub>eq</sub> ) of this combination?  **X 1.1.5 V  **X 2.0.33 V  **X 3.3.33 V	Option 3 ID : 4410094899224  mal resistances of 2 Ω and 4 Ω, respective  Question ID : 4410091209069 Option 1 ID : 4410094769779 Option 2 ID : 4410094769780
equivalent EMF (E <sub>eq</sub> ) of this combination?  **X 1.1.5 V  ** 2.0.33 V  ** 3.3.33 V	Option 3 ID : 4410094899224  rnal resistances of 2 Ω and 4 Ω, respective  Question ID : 4410091209069  Option 1 ID : 4410094769779

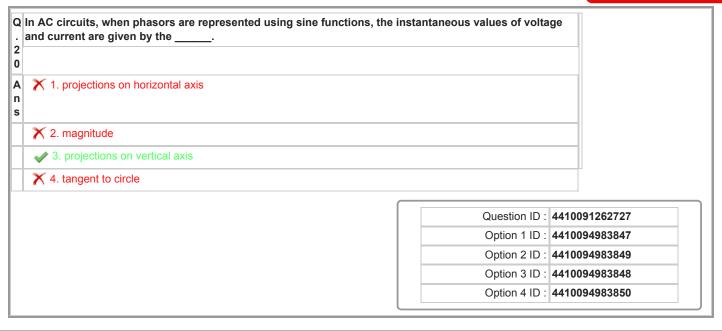




Q Microwaves are absorbed most effectively by:	
<u>.</u>	
7	
A 1. glass strongly n s	
× 2. metals completely	
★ 3. vacuum only	
✓ 4. water molecules	
4. Water molecules	
	Question ID : 4410091231835
	Option 1 ID : 4410094860984
	Option 2 ID : 4410094860981
	Option 3 ID : 4410094860983
	Option 4 ID : 4410094860982
Q In which of the following cases is the wattless (non-power-consumi	ng) current in an AC circuit the
greatest?	
8	
A X 1. When a resistor and capacitor are connected in series	
n s	
✓ 2. When the circuit contains only a capacitor or only an inductor	
★ 3. When a resistor and inductor are connected in parallel	
★ 4. When the circuit consists of a resistor alone	
	Question ID : 4410091241507
	Option 1 ID : 4410094899382
	Option 2 ID : 4410094899381
	Option 3 ID : 4410094899383
	Option 4 ID : 4410094899380
Q If two cells of emf 2 V and 4 V and of internal resistances 1 $\Omega$ and 2 parallel, then the equivalent emf (in V) is given by:	Ω, respectively, are connected in
1	
9	
$\begin{vmatrix} A \\ n \end{vmatrix} \times 1. \frac{4}{2}$	
s 3	
8	
<b>2</b> . <del>3</del>	
$\times$ 3. $\frac{1}{3}$ $\times$ 4. $\frac{2}{3}$	
2	
$\times 4.\frac{2}{3}$	
	Question ID : 4410091202671
	Option 1 ID : 4410094744237
	Option 2 ID : 4410094744236
	Option 3 ID : 4410094744239
	Option 4 ID : 4410094744238







Se	ction : Discipline2	
) )	Nhich of the following best distinguishes gamma rays from X-	rays?
1	✓ 1. Gamma rays originate from nuclear transitions, whereas X-	rays originate from electronic transitions.
T	2. Both have the same origin but different frequencies.	
T	★ 3. X-rays are always more penetrating than gamma rays.	
T	X 4. X-rays have shorter wavelengths than gamma rays.	
		Question ID : 4410091260175
		Option 1 ID : 4410094973557
		Option 2 ID : 4440004072559
		Option 2 ID : 4410094973558
		Option 3 ID : 4410094973559
_		Option 3 ID : 4410094973559 Option 4 ID : 4410094973556
. a 2 4 n	To create a p-type extrinsic semiconductor from germanium, wadded as a dopant?	Option 3 ID : 4410094973559 Option 4 ID : 4410094973556
. a 2 4 n	1. Bismuth  2. Nitrogen	Option 3 ID : 4410094973559 Option 4 ID : 4410094973556
2	added as a dopant?  1. Bismuth	Option 3 ID : 4410094973559 Option 4 ID : 4410094973556
. a 2 4 n	1. Bismuth  2. Nitrogen	Option 3 ID : 4410094973559 Option 4 ID : 4410094973556
. a 2 A 1	1. Bismuth  2. Nitrogen  3. Arsenic	Option 3 ID : 4410094973559 Option 4 ID : 4410094973556
2 A	1. Bismuth  2. Nitrogen  3. Arsenic	Option 3 ID : 4410094973559 Option 4 ID : 4410094973556  which of the following elements should be  Question ID : 4410091242048
2 1	1. Bismuth  2. Nitrogen  3. Arsenic	Option 3 ID : 4410094973559 Option 4 ID : 4410094973556  Which of the following elements should be  Question ID : 4410091242048 Option 1 ID : 4410094901552
. a 2 4 n	1. Bismuth  2. Nitrogen  3. Arsenic	Option 3 ID : 4410094973559 Option 4 ID : 4410094973556  which of the following elements should be  Question ID : 4410091242048

Q In the circuit diagram of a full-wave bridge rectifier, the load resistor is connected across:

3

X 1. AC input supply

Α n

X 2. transformer primary coil

X 3. one diode

Question ID :	4410091231837
Option 1 ID :	4410094860992
Option 2 ID :	4410094860990
Option 3 ID :	4410094860989
Option 4 ID :	4410094860991

Q Consider a satellite in a circular orbit of a distance ( $R_E + h$ ) from the centre of the earth, where  $R_E = h$ radius of the earth. If m is the mass of the satellite and M is the mass of the earth, then which of the 4 following is the correct formula for orbital speed (V) of the satellite?

$$\times_2$$
 V =  $\sqrt{\frac{\text{GmM}}{(R_E + h)}}$ 

$$_{\sim}$$
 3. V =  $\sqrt{\frac{GM}{(R_E + h)}}$ 

$$\times_{4.} V = \sqrt{\frac{2GM}{(R_F + h)}}$$

Question ID :	4410091287009
Option 1 ID :	4410095079829
Option 2 ID :	4410095079828
Option 3 ID :	4410095079830
Option 4 ID :	4410095079827

Q Which of the following regions of the output characteristics of a CE transistor is used for amplification?

Α

X 1. Saturation region

n

X 2. Breakdown region

3. Active region

X 4. Cut-off region

4410091239681
4410094892175
4410094892177
4410094892176
4410094892174



ı	Q	The minimum speed required for an object to escape from the earth is given by (symbols have their usual	П
ı		meanings):	
1	6		1

Α	GM	
n	× 1 / GWE	
S	$\sqrt{R_E}$	

$$\times$$
 2.  $\sqrt{\frac{2GM_E^2}{R_E}}$ 

$$\checkmark$$
 3.  $\sqrt{\frac{2GM_E}{R_E}}$ 

$$\times$$
 4.  $\sqrt{\frac{2GM_E}{R_E^2}}$ 

Question ID :	4410091225202
Option 1 ID :	4410094834304
Option 2 ID :	4410094834302
Option 3 ID :	4410094834301
Option 4 ID :	4410094834303

Q In the electromagnetic spectrum, visible light falls in between which of the following types of radiation?

7 Α

X 1. Between microwaves and radio waves

n

X 2. Between ultraviolet radiation and gamma rays

3. Between infrared radiation and ultraviolet radiation

X 4. Between radio waves and infrared radiation

Question ID :	4410091242032
Option 1 ID :	4410094901487
Option 2 ID :	4410094901486
Option 3 ID :	4410094901485
Option 4 ID :	4410094901484

Q Which of the following colours of visible rays is scattered most in the atmosphere?

8

√ 1. Blue Α

n S

X 2. Red

X 3. Green

X 4. Indigo

Question ID :	4410091231836
Option 1 ID:	4410094860986
Option 2 ID:	4410094860985
Option 3 ID:	4410094860988
Option 4 ID:	4410094860987





base-emitter voltage is steadily increased?	tor, what happens to the base current as the
× A this course we distill a consultant of the condited with an	
★ 1. It becomes negligible regardless of the applied voltage.	
✓ 2. It rises rapidly in a nonlinear (exponential) manner.	
X 3. It drops sharply toward zero.	
<ul><li>★ 4. It stays nearly unchanged.</li></ul>	
4. It stays hearly unortainged.	
	Question ID : 4410091242041
	Option 1 ID : 4410094901525
	Option 2 ID : 4410094901524
	Option 3 ID : 4410094901522
	Option 4 ID : 4410094901523
✓ 1. Drift current	
★ 2. Electron current	
X 3. Hole current	
X 4. Recombination current	
	Question ID : 4410091236594
	Option 1 ID : 4410091236594
	Option 2 ID : 4410094879946
	Option 3 ID : <b>4410094879945</b>
	Option 4 ID : 4410094879948
In an ideal transformer, the number of turns in the secondary coil. If the voltage applied across the primary is 80 V, what will	coil is three times the turns in the primary
coil. If the voltage applied across the primary is 80 V, what will	coil is three times the turns in the primary
coil. If the voltage applied across the primary is 80 V, what will	coil is three times the turns in the primary
coil. If the voltage applied across the primary is 80 V, what will	coil is three times the turns in the primary II be the voltage across the secondary coil?
coil. If the voltage applied across the primary is 80 V, what will	coil is three times the turns in the primary II be the voltage across the secondary coil?  Question ID: 4410091241547
coil. If the voltage applied across the primary is 80 V, what will	Question ID: 4410091241547 Option 1 ID: 4410094899538
coil. If the voltage applied across the primary is 80 V, what will	Question ID: 4410091241547 Option 1 ID: 4410094899538 Option 2 ID: 4410094899536
coil. If the voltage applied across the primary is 80 V, what will	Question ID: 4410091241547 Option 1 ID: 4410094899538





he electric and magnetic fields in an electroma	gnotic wave:
$\times$ 1. B <sub>0</sub> = E <sub>0</sub> c <sup>2</sup>	
✓ 2. B <sub>0</sub> = E <sub>0</sub> /c	
$\times$ 3. E <sub>0</sub> = B <sub>0</sub> /c	
$\times$ 4. B <sub>0</sub> = E <sub>0</sub> /c <sup>2</sup>	
	Question ID : 4410091271254
	Option 1 ID : 4410095016997
	Option 2 ID : 4410095016994
	Option 3 ID : <b>4410095016996</b>
	Option 4 ID : <b>4410095016995</b>
Which of the following series circuits produces frequency ω? (Given: L = Inductor, C = Capacito	oscillations and gives maximum current at angular or, R = Resistor)
1. RC; $\omega = 1/\sqrt{RC}$	
<b>✓</b> 2. LC; ω = 1/√LC	
i i	
$\times$ 3. LCR; $\omega = \sqrt{LC}$	
$\star$ 4. LR; $\omega = 1/\sqrt{LR}$	
	Question ID : 4410091262795
	Option 1 ID : 4410094984115
	Option 2 ID : 4410094984116
	Option 3 ID : 4410094984118
	Option 4 ID : 4410094984117
self-inductance of 3 H, what will be the magnitu  1. 12 V	A to 6 A over a time span of 1 second. If the coil has a de of the induced EMF during this interval?
<b>★</b> 2. 8 V	
<b>※</b> 3. 22 ∨	
<b>★</b> 4. 11 V	
	Question ID : 4410091241536
	Ontion 4 ID : 4440004000
	Option 1 ID : 4410094899492
	Option 2 ID : 4410094899493





n the electromagnetic spectrum, radio waves are most comprocesses?	monly generated by which of the following
★ 1. Fusion reactions occurring inside stars	
★ 2. Random motion of atoms due to heat	
★ 3. Emissions from ionised atmospheric gases	
✓ 4. Alternating currents in tuned electrical circuits	"
	Question ID : 4410091242035
	Option 1 ID : 4410094901500
	Option 2 ID : 4410094901498
	Option 3 ID : 4410094901501
	Option 4 ID : 4410094901499
Which of the following does NOT affect the magnitude of mo	otional EMF?
★ 1. Length of the conductor only	
<b>X</b> 0 01	
2. Strength of the magnetic field	
X 4. Length of the conductor and velocity of motion	
	Question ID : 4410091231832
	Option 1 ID : 4410094860970
	Option 2 ID : 4410094860971
	Option 3 ID : 4410094860972
	Option 4 ID : 4410094860969
Nhich of the following technologies typically makes use of n	microwave radiation?
X 1 X-ray imaging for medical diagnostics	
★ 1. X-ray imaging for medical diagnostics	
<ul><li>1. X-ray imaging for medical diagnostics</li><li>2. Germicidal treatment using ultraviolet light</li></ul>	
★ 2. Germicidal treatment using ultraviolet light	
<ul><li>2. Germicidal treatment using ultraviolet light</li><li>3. Capturing images with visible-light cameras</li></ul>	
<ul><li>2. Germicidal treatment using ultraviolet light</li><li>3. Capturing images with visible-light cameras</li></ul>	Question ID: 4410091241556
<ul><li>2. Germicidal treatment using ultraviolet light</li><li>3. Capturing images with visible-light cameras</li></ul>	Question ID : 4410091241556 Option 1 ID : 4410094901464
<ul><li>2. Germicidal treatment using ultraviolet light</li><li>3. Capturing images with visible-light cameras</li></ul>	
<ul><li>2. Germicidal treatment using ultraviolet light</li><li>3. Capturing images with visible-light cameras</li></ul>	Option 1 ID : 4410094901464
<ul><li>2. Germicidal treatment using ultraviolet light</li><li>3. Capturing images with visible-light cameras</li></ul>	Option 1 ID : 4410094901464 Option 2 ID : 4410094901466





<b>X</b> 1. V <sub>B</sub> ∝ 1/ I <sup>2</sup>	
<b>X</b> 2. VB ∝ I	
<b>X</b> 3. V <sub>B</sub> ∝ 1/ I	
<b>✓</b> 4. V <sub>B</sub> ∝ I <sup>2</sup>	
	Question ID: 4410091262777
	Option 1 ID : 4410094984048
	Option 2 ID : <b>4410094984049</b>
	Option 3 ID : 4410094984047
	Option 0 18 . 44100040441
urns N is	Option 4 ID : 4410094984050
wrns N is  1. $L = \frac{\mu_0 NA}{l^2}$ 2. $L = \frac{\mu_0 A}{l^2}$	Option 4 ID : <b>4410094984050</b>
wrns N is  1. $L = \frac{\mu_0 NA}{l^2}$ 2. $L = \frac{\mu_0 A}{l^2}$	Option 4 ID : <b>4410094984050</b>
wrns N is  1. $L = \frac{\mu_0 NA}{l^2}$ 2. $L = \frac{\mu_0 A}{Nl}$ 3. $L = \frac{\mu_0 N^2 A}{l}$	Option 4 ID : <b>4410094984050</b>
wrns N is  1. $L = \frac{\mu_0 NA}{l^2}$ 2. $L = \frac{\mu_0 A}{Nl}$ 3. $L = \frac{\mu_0 N^2 A}{l}$	Option 4 ID : 4410094984050
wrns N is  1. $L = \frac{\mu_0 NA}{l^2}$ 2. $L = \frac{\mu_0 A}{Nl}$ 3. $L = \frac{\mu_0 N^2 A}{l}$	Option 4 ID : 4410094984050  Did of length I, cross-sectional area A, and number of  Question ID : 4410091231833
wrns N is  1. $L = \frac{\mu_0 NA}{l^2}$ 2. $L = \frac{\mu_0 A}{Nl}$ 3. $L = \frac{\mu_0 N^2 A}{l}$	Question ID: 441009484050  Question ID: 4410091231833  Option 1 ID: 4410094860974

۱u	which of the following best describes the process of transistor action?
2 0	
A n s	★ 1. Complete prevention of current through both junctions
Г	★ 2. Conversion of direct current into alternating current
Г	
Г	X 4. Amplification caused by movement of minority carriers

Question ID:	4410091231839
Option 1 ID :	4410094861000
Option 2 ID :	4410094860997
Option 3 ID :	4410094860999
Option 4 ID :	4410094860998





What will be the value of capacitance of a parallel plate capaci where $\epsilon_0$ =8.85×10 <sup>-12</sup> F/m (permittivity of free space)?	itor, having values A = 1 m <sup>2</sup> and d = 1 mm,
× 1.8.85 × 10 <sup>-9</sup> C	
×2.8.85 ×10 <sup>-15</sup> F	
✓ 3.8.85 ×10 <sup>-9</sup> F	
×4.8.85 ×10 <sup>-15</sup> C	
7 8.83 × 10 ° C	
	Question ID : 4410091276000
	Option 1 ID : 4410095036116
	Option 2 ID : 4410095036118
	Option 3 ID : <b>4410095036115</b>
	Option 4 ID : 4410095036117
	II II
<ul><li>★ 3. They form closed loops</li><li>★ 4. Normal to the equipotential surface at every point</li></ul>	
	Question ID : 4410091286976
	Option 1 ID : 4410095079702
	Option 1 ID : <b>4410095079702</b> Option 2 ID : <b>4410095079700</b>
	Option 1 ID : 4410095079702  Option 2 ID : 4410095079700  Option 3 ID : 4410095079701
	Option 1 ID : 4410095079702 Option 2 ID : 4410095079700
Two equipotential surfaces are labelled 20 V and 30 V, and are strength in the space between them?  1. 300 V/m	Option 1 ID : 4410095079702  Option 2 ID : 4410095079700  Option 3 ID : 4410095079701  Option 4 ID : 4410095079699
4. Normal to the equipotential surface at every point  Two equipotential surfaces are labelled 20 V and 30 V, and are strength in the space between them?  1. 300 V/m	Option 1 ID : 4410095079702  Option 2 ID : 4410095079700  Option 3 ID : 4410095079701  Option 4 ID : 4410095079699
Two equipotential surfaces are labelled 20 V and 30 V, and are strength in the space between them?  1. 300 V/m	Option 1 ID : 4410095079702  Option 2 ID : 4410095079700  Option 3 ID : 4410095079701  Option 4 ID : 4410095079699
Two equipotential surfaces are labelled 20 V and 30 V, and are strength in the space between them?  1. 300 V/m  2. 1200 V/m	Option 1 ID : 4410095079702  Option 2 ID : 4410095079700  Option 3 ID : 4410095079701  Option 4 ID : 4410095079699
Two equipotential surfaces are labelled 20 V and 30 V, and are strength in the space between them?  1. 300 V/m  2. 1200 V/m  3. 600 V/m	Option 1 ID : 4410095079702 Option 2 ID : 4410095079700 Option 3 ID : 4410095079701 Option 4 ID : 4410095079699  separated by 2 cm. What is the electric field
Two equipotential surfaces are labelled 20 V and 30 V, and are strength in the space between them?  1. 300 V/m  2. 1200 V/m  3. 600 V/m	Option 1 ID : 4410095079702 Option 2 ID : 4410095079700 Option 3 ID : 4410095079701 Option 4 ID : 4410095079699  separated by 2 cm. What is the electric field  Question ID : 4410091242071
Two equipotential surfaces are labelled 20 V and 30 V, and are strength in the space between them?  1. 300 V/m  2. 1200 V/m  3. 600 V/m	Option 1 ID : 4410095079702 Option 2 ID : 4410095079700 Option 3 ID : 4410095079699  separated by 2 cm. What is the electric field  Question ID : 4410091242071 Option 1 ID : 4410094901644
Two equipotential surfaces are labelled 20 V and 30 V, and are strength in the space between them?  1. 300 V/m  2. 1200 V/m  3. 600 V/m	Option 1 ID : 4410095079702 Option 2 ID : 4410095079700 Option 3 ID : 4410095079701 Option 4 ID : 4410095079699  separated by 2 cm. What is the electric field  Question ID : 4410091242071

Q If Earth suddenly shrinks to half its present radius without changing its mass, the value of 'g' on its surface will be:

4 Α

X 1. twice the present value

n

X 2. half the present value

X 3. same as before

Question ID :	4410091236650
Option 1 ID :	4410094880158
Option 2 ID :	4410094880160
Option 3 ID :	4410094880157
Option 4 ID :	4410094880159

Q The electric field at distance r from an infinite line charge with linear charge density (λ) is

5

 $\times$  1. E =  $\frac{\lambda}{4\pi r \epsilon_0}$ s

$$\checkmark$$
 2. E =  $\frac{\lambda}{2\pi r \epsilon_0}$ 

$$\times$$
 3. E =  $\frac{\lambda}{\pi \epsilon_0 r^2}$ 

$$\times 3.E = \frac{\lambda}{\pi \epsilon_0 r^2}$$

$$\times 4.E = \frac{\lambda}{2\pi \epsilon_0 r^2}$$

Question ID :	4410091236645
Option 1 ID :	4410094880138
Option 2 ID :	4410094880137
Option 3 ID :	4410094880139
Option 4 ID :	4410094880140

Q A 2 microfarad capacitor is connected across a 100-volt battery. How much energy is stored in the . capacitor?

6

Α n √ 1. 0.01 joules

S X 2. 0.02 joules

X 3. 0.2 joules

X 4. 0.1 joules

4410091242055	Question ID :
4410094901581	Option 1 ID :
4410094901578	Option 2 ID :
4410094901579	Option 3 ID :
4410094901580	Option 4 ID :



7

1. radially outward Α

n

- X 2. tangential to the equipotential surface
- X 3. radially inward
- X 4. circular around the charge

Option 1 ID : 4410094880058  Option 2 ID : 4410094880057  Option 3 ID : 4410094880059	Question ID :	4410091236624
Option 3 ID : <b>4410094880059</b>	Option 1 ID :	4410094880058
·	Option 2 ID :	4410094880057
Ontion 4 ID . 444000400000	Option 3 ID :	4410094880059
Option 4 ID : 4410094880060	Option 4 ID :	4410094880060

## Q If a uniformly charged surface has a total charge Q and surface area A, then surface charge density is

$$\frac{A}{n}$$
  $\checkmark$  1.  $\sigma = \frac{Q}{\Delta}$ 

$$\times$$
 2.  $\sigma = \frac{Q}{\Delta^2}$ 

$$\times$$
 3.  $\sigma = Q \cdot A$ 

$$\times$$
 4.  $\sigma = \frac{A}{Q}$ 

Question ID :	4410091236612
Option 1 ID :	4410094880013
Option 2 ID :	4410094880016
Option 3 ID :	4410094880015
Option 4 ID :	4410094880014

# Q In an oscillator circuit, what is the primary function performed by the transistor?

9

Α

X 1. Converts AC to DC

n S

2. Maintains a constant output voltage

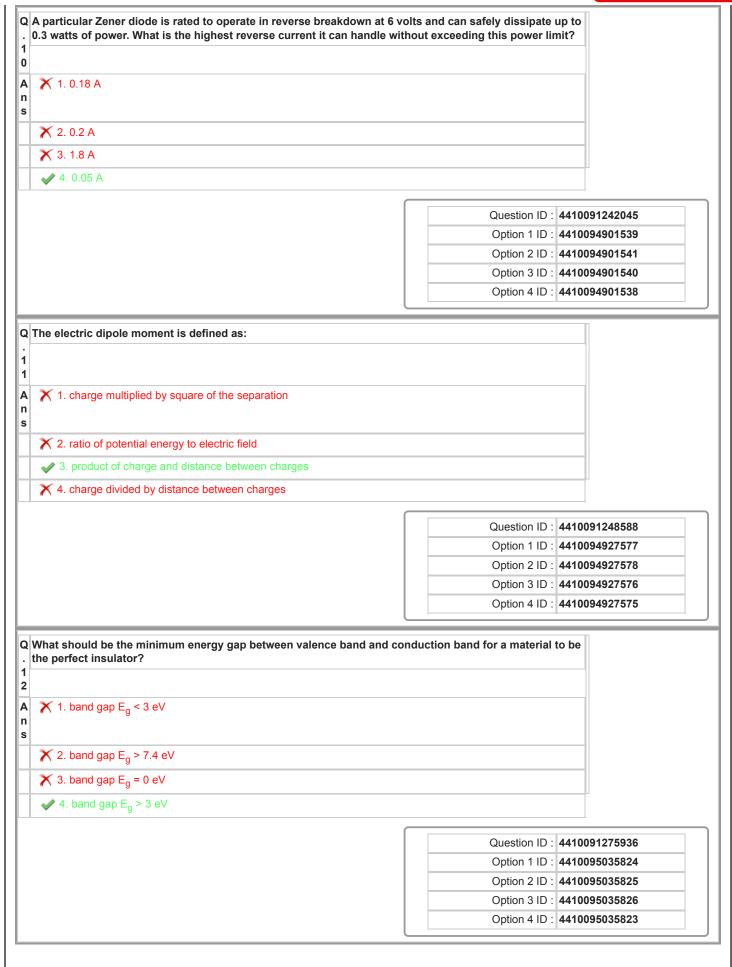
3. Boosts the signal to maintain continuous oscillation

4. Removes unwanted frequency components

0091242052	Question ID :
0094901566	Option 1 ID :
0094901569	Option 2 ID :
0094901567	Option 3 ID :
0094901568	Option 4 ID :











	If the reverse bias voltage exceeds the breakdown limit of a diode, then:		
1			
3 A	★ 1. the diode stops working as a transistor		
n s	T. the diode stops working as a transistor		
	X 2. the diode blocks all current		
T	X 4. the diode works as an amplifier		
			4410091236562
			4410094879821
			4410094879824
			4410094879822
		Option 4 ID :	4410094879823
	A point charge of +6 μC is placed in space. What is the electric potential a charge? (Consider: Coulomb's constant k = 9 x 10 <sup>9</sup> N.m <sup>2</sup> /C <sup>2</sup> )		
n s	1. 10,000 V		
T	<b>★</b> 2. 24,000 V		
7	<b>✓</b> 3. 18,000 V		
T	<b>★</b> 4. 12,000 V		
			4410091242064
			4410094901615
			4410094901617
		·	4410094901616
_		Option 4 ID :	4410094901614
1 5 A n	If the electric field in a region is uniform, the variation of electric potential  1. constant		-
1 5 A n			-
1 5 A n	★ 1. constant		·
1 5 A n	<ul><li>X 1. constant</li><li>X 2. exponential</li><li>✓ 3. linear</li></ul>		
1 5 A n	★ 1. constant   ★ 2. exponential		
1 5 A n	<ul><li>X 1. constant</li><li>X 2. exponential</li><li>✓ 3. linear</li></ul>	with distance is	4410094901614
1 5 A n	<ul><li>X 1. constant</li><li>X 2. exponential</li><li>✓ 3. linear</li></ul>	with distance isQuestion ID :	-
1 5	<ul><li>X 1. constant</li><li>X 2. exponential</li><li>✓ 3. linear</li></ul>	Question ID :	4410091236628
1 5 A n	<ul><li>X 1. constant</li><li>X 2. exponential</li><li>✓ 3. linear</li></ul>	Question ID : Option 1 ID : Option 2 ID : Option 3 ID :	 4410091236628 4410094880076





Q A planet has mass M and radius R. If both mass and radius a	re doubled, then the escape speed will:
1	
6	
A n s 1. increase by a factor of (2) <sup>1/2</sup>	
★ 2. decrease by a factor of 2	
★ 3. increase by a factor of 2	
	Question ID : 4410091265377
	Option 1 ID : 4410094994421
	Option 2 ID : 4410094994420
	Option 3 ID : 4410094994419
	Option 4 ID : 4410094994418
Q The point on the I–V characteristic where the zener diode enters in the sener diode enters in	ers breakdown region is called
A 1. cut-in voltage n s	
✓ 2. knee point voltage	
★ 3. reverse saturation voltage	
★ 4. drift voltage	
	Question ID : 4410091236603
	Option 1 ID : 4410094879978
	Option 2 ID : 4410094879977
	Option 3 ID : 4410094879979
	Option 4 ID : 4410094879980
An electric dipole is formed by two charges of ±2 µC separate electric field at a point on the axial line, located 2 m from the constant k = 9 x 10 <sup>9</sup> N.m <sup>2</sup> /C <sup>2</sup> )  A 1. 45 N/C	
<b>◆</b> 2. 22.5 N/C	
<b>★</b> 3. 4.5 N/C	
<b>★</b> 4. 2.25 N/C	
	Question ID : 4410091242060
	Question id . 4410031242000
	Option 1 ID : 4/1009/1901
	Option 1 ID : 4410094901601  Option 2 ID : 4410094901600
	Option 2 ID : <b>4410094901600</b>





)	
X 1. Net dipole	moment of the dielectric is negative
✓ 2. Net dipole	moment of the dielectric is zero
X 3. The dielec	ric is polarised
X 4. Net dipole	moment of the dielectric is positive
	Option 1 ID : 4410095079780  Option 2 ID : 4410095079781  Option 3 ID : 4410095079782  Option 4 ID : 4410095079779
Which of the foll configuration?	wing is NOT a valid state of a transistor working as a switch with base-biased in CE
configuration?	e
configuration?  1. Cut off sta	e state
configuration?  1. Cut off sta	e state

Section : Discipline4 If the position vector of a particle at time tt is  $\vec{r}(t) = (t^2 - 2t)\hat{j}$ , the displacement between t=1 and t=3 is \_\_\_\_\_.  $\times 1.2\hat{i} + 3\hat{j}$ × 2.6î +6ĵ × 3.6i +9j √ 4. 4î + 6ĵ Question ID : 4410091235802 Option 1 ID : 4410094876893 Option 2 ID : 4410094876891 Option 3 ID: 4410094876894 Option 4 ID : 4410094876892





Which of the following statements is correct for the triangle law o	f vector addition?
2	
1. It is a special case of the parallelogram law.	
✓ 2. It can be applied to any two vectors irrespective of direction.	
★ 3. It is applicable only when vectors are parallel.	
X 4. It is not applicable to displacement vectors.	·
	Question ID : 4410091237213
	Option 2 ID : 4410094882410
	Option 2 ID : 4410094882411  Option 3 ID : 4410094882408
	Option 4 ID : 4410094882409
	Орион 4 10 . 44 10034002403
force required for circular motion is provided by and the proportional to  A 1. gravitational force; R	maximum speed of the car is
s  ✓ 2. frictional force; $\sqrt{\mu_s R}$	
·	
× 3. frictional force; μ <sub>s</sub> R	
★ 4. gravitational force;  √R	
	Question ID : 4410091227657
	Option 1 ID : 4410094844123
	Option 2 ID : 4410094844124
	Option 3 ID : 4410094844126
	Option 4 ID : 4410094844125
Which of the following best describes uniform motion?	
Which of the following best describes uniform motion?	
1. Motion with equal velocity in unequal intervals of time	Option 4 ID : 4410094844125
1. Motion with equal velocity in unequal intervals of time	Option 4 ID : 4410094844125
1. Motion with equal velocity in unequal intervals of time  2. Motion that covers unequal distances in equal intervals of time	Option 4 ID : 4410094844125
1. Motion with equal velocity in unequal intervals of time  2. Motion that covers unequal distances in equal intervals of time  3. Motion with varying acceleration	Option 4 ID : 4410094844125
1. Motion with equal velocity in unequal intervals of time  2. Motion that covers unequal distances in equal intervals of time  3. Motion with varying acceleration	Option 4 ID : 4410094844125  Question ID : 4410091236665
1. Motion with equal velocity in unequal intervals of time  2. Motion that covers unequal distances in equal intervals of time  3. Motion with varying acceleration	Question ID : 4410094844125  Question ID : 4410091236665  Option 1 ID : 4410094880218
1. Motion with equal velocity in unequal intervals of time  2. Motion that covers unequal distances in equal intervals of time  3. Motion with varying acceleration	Question ID : 4410094844125  Question ID : 4410091236665  Option 1 ID : 4410094880218  Option 2 ID : 4410094880220
1. Motion with equal velocity in unequal intervals of time  2. Motion that covers unequal distances in equal intervals of time  3. Motion with varying acceleration	Question ID : 4410094844125  Question ID : 4410091236665  Option 1 ID : 4410094880218





Q	Why are ball bearings used between moving parts?
5	
A	★ 1. They increase the weight of the machine.
n	1. They increase the weight of the machine.
s	
	X 2. They generate more heat.
	X 4. They prevent motion completely.
	Question ID : 4410091260657
	Option 1 ID : 4410094975484
	Option 2 ID : 4410094975487
	Option 3 ID : 4410094975485
	Option 4 ID : 4410094975486
_	Consider a car moving in a circular path with constant speed. Which of the following correctly describes
	the forces acting on the car?
6	
A	✓ 1. Normal reaction (N)- Weight of the car(mg)=0 and frictional force(f)= centripetal force
n s	
	X 2. Weight of the car(mg)+½ Normal reaction (N)=0 and Frictional force(f)+ centripetal force=0
	3. Weight of the car(mg)+ Normal reaction (N) + Frictional force(f)=0
	★ 4. Weight of the car(mg)+ centripetal force=0 and Frictional force(f)+ Normal reaction N)=0
_	
	Question ID : 4410091227678
	Option 1 ID : 4410094844210
	Option 2 ID : 4410094844208
	Option 3 ID : 4410094844207
	Option 4 ID : 4410094844209
Q	If a player in volleyball game exerts a force of 1000 N on the volleyball for 0.5 s, the impulse experienced
7	by the ball is
Α	<b>1</b> 500 N s
	✓ 1. 500 N s
n	
n	✓ 1. 500 N s  X 2. 2000 N/s
n	
n	<b>★</b> 2. 2000 N/s
n	X 2. 2000 N/s  X 3. 1000 N s  X 4. −1000 N
n	X 2. 2000 N/s  X 3. 1000 N s  X 41000 N  Question ID: 4410091227697
n	X 2. 2000 N/s  X 3. 1000 N s  X 41000 N  Question ID: 4410091227697 Option 1 ID: 4410094844284
A n s	X 2. 2000 N/s  X 3. 1000 N s  X 4. −1000 N  Question ID: 4410091227697 Option 1 ID: 4410094844284 Option 2 ID: 4410094844285
n	X 2. 2000 N/s  X 3. 1000 N s  X 41000 N  Question ID: 4410091227697 Option 1 ID: 4410094844284





✓ 1. It produces a scalar quantity.	
X 2. Its direction can change depending on the sign of the number.	
X 3. Its magnitude is scaled by the real number.	
X 4. The result is always a vector.	
	Question ID : 4410091236663
	Option 1 ID : 4410094880212
	Option 2 ID : 4410094880211
	Option 3 ID : 4410094880210
	Option 4 ID : 4410094880209
quantities follow parallelogram law of addition due to their	dependence.
★ 1. Vector; magnitude	
X 2. Scalar; magnitude	
✓ 3. Vector; direction	
•	
X 4. Scalar; direction	
	Question ID : 4410091227612
	Option 1 ID : <b>4410094843935</b>
	Option 2 ID : 4410094843938
	Option 3 ID : 4410094843937
	Option 4 ID : 4410094843936
as per the Aristotle's fallacy concerning motion, what is required to keep an objectory?	
★ 1. A continuous external force is required to counteract the opposing force of grave	vity.
X 2. No external force is required, as the object's natural state is uniform in motion.	
X 3. The force applied must be greater than the mass of the object.	
✓ 4. An external force is required to keep a body in motion.	
	Question ID : 4410091291979
	Option 1 ID : 4410095099983
	Option 2 ID : 4410095099982
	Option 3 ID : 4410095099980
	Option 4 ID : <b>4410095099981</b>

I	Which of the following is NOT a kinematic equation for uniformly accelerated motion?

1 1

 $\checkmark$  1.  $v = x_0 + v_0 t + 1/2 a t^2$ 

 $\times$  2. v = v<sub>0</sub> + at

X 3.  $x = x_0 + v_0 t + 1/2 a t^2$ 

 $\times$  4.  $v^2 = v_0^2 + 2a (x-x_0)$ 

Question ID	4410091291927
Option 1 ID	4410095099758
Option 2 ID	4410095099756
Option 3 ID	4410095099757
Option 4 ID	4410095099759

A vector is given by  $\vec{A} = 3\hat{i} + 4\hat{j}$ . Which of the following correctly represents the uni

**X** 1.5k̂

 $\times 2.3\hat{i} + 4\hat{j}$ 

 $\checkmark$  3.  $\frac{3}{5}\hat{i} + \frac{4}{5}\hat{j}$ 

 $\times 4.\frac{4}{5}\hat{i} + \frac{3}{5}\hat{j}$ 

Question ID :	4410091250690
Option 1 ID :	4410094935928
Option 2 ID :	4410094935927
Option 3 ID :	4410094935925
Option 4 ID :	4410094935926

Q Which of the following is the magnitude of the resultant (R) of two concurrent vectors (A and B) with an angle θ between them?

 $\times$  1. R =  $\sqrt{A^2 + B^2 + 2 \text{ AB Sin } \theta}$ 

 $\times$  2. R =  $\sqrt{A^2 + B^2 - 2 \text{ AB Sin } \theta}$ 

 $\checkmark$  3. R =  $\sqrt{A^2 + B^2 + 2 \text{ AB Cos } \theta}$ 

 $\times$  4. R =  $\sqrt{A^2 + B^2 - 2 \text{ AB Cos } \theta}$ 

Question ID :	4410091287076
Option 1 ID :	4410095080053
Option 2 ID :	4410095080054
Option 3 ID :	4410095080052
Option 4 ID :	4410095080051





	A vehicle moves 5 km north, then reverses and travels 3 km south, all along a spath length during the entire trip?	straight line. What is t	he
1 4			
A n s	A 1. 2 km		
	<b>✓</b> 2. 8 km		
	<b>★</b> 3. 5 km		
	<b>★</b> 4. 3 km		
		Question ID :	4410091250816
		Option 1 ID :	4410094936428
		Option 2 ID :	4410094936430
			4410094936431
		Option 4 ID :	4410094936429
_			
Q	Q Newton's second law of motion is mathematically derived using the relation be	tween:	
1	1		
5			
A n s	n T		
3	X 2. mass and acceleration only		
	★ 3. force and displacement		
-	★ 4. impulse and displacement		
	7 4. Impulse and displacement		
		Question ID :	4410091236682
		Option 1 ID :	4410094880286
		Option 2 ID :	4410094880287
		Option 3 ID :	4410094880285
		Option 4 ID :	4410094880288
_			
1 6 A n	Statement A: An object moving at a constant speed in a straight line may still he Statement B: An object can have zero velocity at an instant but still possess not 1. Neither Statement A nor B is correct		
1 6 A n	Statement A: An object moving at a constant speed in a straight line may still he Statement B: An object can have zero velocity at an instant but still possess not 1. Neither Statement A nor B is correct		
1 6 A n	Statement A: An object moving at a constant speed in a straight line may still h 6 Statement B: An object can have zero velocity at an instant but still possess no 1. Neither Statement A nor B is correct		
1 6 A n	Statement A: An object moving at a constant speed in a straight line may still h 6 Statement B: An object can have zero velocity at an instant but still possess no 1. Neither Statement A nor B is correct s 2. Both Statements A and B are correct		
1 6 A n	Statement A: An object moving at a constant speed in a straight line may still he Statement B: An object can have zero velocity at an instant but still possess not a 1. Neither Statement A nor B is correct  2. Both Statements A and B are correct  3. Only Statement B is correct	on-zero acceleration.	
1 6 A n	Statement A: An object moving at a constant speed in a straight line may still he Statement B: An object can have zero velocity at an instant but still possess not an instant but still possess not a line in the statement A nor B is correct  2. Both Statements A and B are correct  3. Only Statement B is correct	On-zero acceleration.  Question ID:	4410091250677
1 6 A n	Statement A: An object moving at a constant speed in a straight line may still he Statement B: An object can have zero velocity at an instant but still possess not an instant but still possess not a line in the statement A nor B is correct  2. Both Statements A and B are correct  3. Only Statement B is correct	Question ID :	4410091250677 4410094935876
1 6 A n	n s  X 2. Both Statements A and B are correct  ✓ 3. Only Statement B is correct	Question ID : Option 1 ID : Option 2 ID :	4410091250677 4410094935876 4410094935875
1 6 A n	Statement A: An object moving at a constant speed in a straight line may still he Statement B: An object can have zero velocity at an instant but still possess not an instant but still possess not a line in the statement A nor B is correct  2. Both Statements A and B are correct  3. Only Statement B is correct	Question ID : Option 1 ID : Option 2 ID : Option 3 ID :	4410091250677 4410094935876

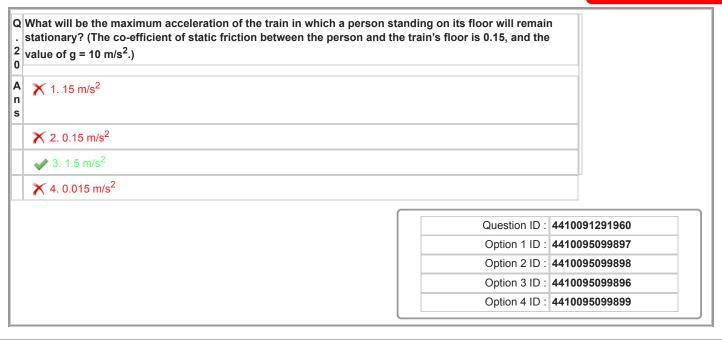


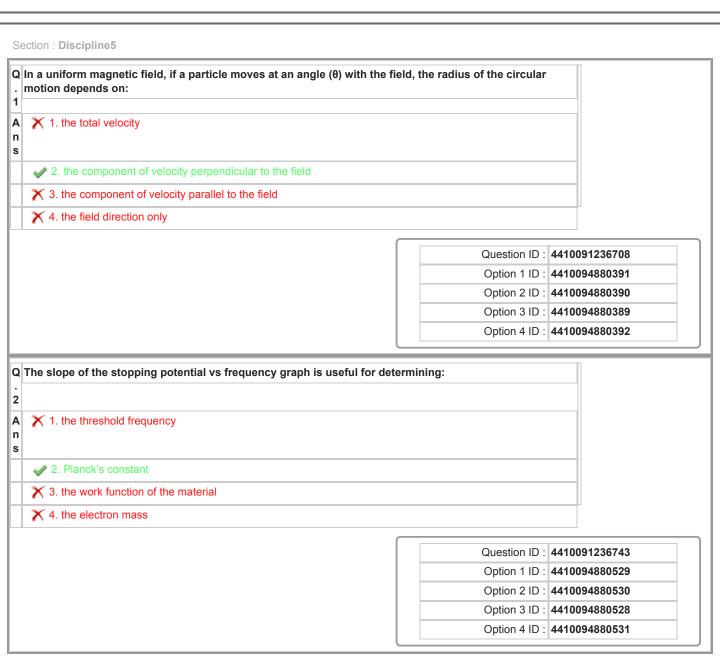


the car is:		
$\times$ 1. $\frac{\text{m } \text{v}^2}{\text{r}}$ directed away from the centre		
× 2. mg downward		
× 3. Zero		
$\checkmark$ 4. $\frac{\text{m } \mathbf{v}^2}{\mathbf{r}}$ directed towards the centre		
	Quantian ID :	4410091246088
		4410094917632
	·	4410094917633
		4410094917630
	·	4410094917631
acceleration (in m/s²) of:  1. 4.5		
<b>X</b> 2. 4		
<b>✓</b> 3. 3.75		
<b>×</b> 4. 3		
	Question ID :	4410091232107
	· ·	4410094898765
	·	4410094898764
		4410094898763
	Option 4 ID :	4410094898762
Two particles are moving with velocities given by $\vec{v}_1 = 3\hat{i}$ If both particles have the same velocity, what is the magnetic 1.14 m/s	-	
× 0. 7 m/s		
X 2. 7 m/s		
<b>★</b> 3. 5 m/s		
<b>✓</b> 4. 10 m/s		
<b>◆</b> 4. 10 m/s	Question ID :	4440004350704
		4410091250701
✓ 4. 10 m/s	Option 1 ID :	4410094935972
✓ 4. 10 m/s	Option 1 ID :	4410094935972 4410094935970
✓ 4. 10 m/s	Option 1 ID : Option 2 ID : Option 3 ID :	4410094935972













Q were used in the Geiger-Marsden experiment to study the	ne nature of the atomic nucleus.	
3		
A X 1. Gold particles		
n s		
× 2. γ-rays		
✓ 3. Alpha particles		
X 4. Beta particles		
4. Deta particles		
	Question ID	4410091232939
	Option 1 ID	4410094865453
	Option 2 ID	4410094865451
	Option 3 ID	4410094865452
	Option 4 ID	4410094865450
Which of the following is NOT the correct use of cyclotron?		
4		
A X 1. Used to bombard atomic nuclei		
n s		
X 2. Used in radiation therapy		
★ 3. Used in medical imaging as a diagnostic tool		
✓ 4. Studying the atmospheric cyclones		
4. Studying the atmospheric cyclones		
	Question ID	4410091294402
	Option 1 ID	4410095109578
	Option 2 ID	4410095109580
	·	4410095109579
	Option 4 ID	4410095109577
Q According to Ampere's circuital law, the line integral of the magnetic . related to which of the following?	c field around a closed path is di	rectly
5		
A X 1. Potential difference across the loop		
n s		
2. Strength of the electric field		
★ 4. Amount of charge per unit volume		
#7/ whoshe of charge per unit volume		
	Question ID	4410091250861
	Option 1 ID	4410094937671
	Option 2 ID	4410094937669
	Option 3 ID	4410094937670
	Option 4 ID	4410094937672





	**
A material with a narrow hysteresis loop is most suitable for:	
3	
1. magnetic recording media	
✓ 2. transformer cores	
X 3. permanent magnets	
X 4. electromagnets requiring high field strength	
	Question ID : 4410091281783
	Option 1 ID : 4410095058944
	Option 2 ID : 4410095058943
	Option 3 ID : 4410095058942
	Option 4 ID : 4410095058945
A magnetic needle is placed in a uniform magnetic field, making an an Which of the following does the magnetic needle experience?  1. Only torque and no net force	igle with the direction of the field.
× 2. No torque and no net force	
X 3. Torque and a net force	
★ 4. Only force but no torque	
	Question ID : 4410091225760
	Option 1 ID : 4410094836536
	Option 2 ID : <b>4410094836539</b>
	Option 3 ID : 4410094836538
	Option 4 ID : 4410094836537
On doubling both the length and width of a rectangular loop (keeping the torque 'T' at a given angle θ becomes:  A 1.8τ	current and magnetic field same),
<b>✓</b> 2.4T	
<b>Х</b> 3. т	
<b>★</b> 4. 2τ	
	Question ID : 4410091246137
	Option 1 ID : 4410094917829
	Option 1 ID : 4410094917829 Option 2 ID : 4410094917828
	Option 1 ID : 4410094917829





	The wave number of a spectral line corresponds to:		
9			
Α	★ 1. the velocity of emitted photon		
n s			
	★ 2. the energy difference between two levels		
	X 4. the angular momentum of electron		
		0 (; ID	444004000704
			4410091236721 4410094880443
			4410094880441
			4410094880442
		Option 4 ID :	4410094880444
<u>د</u>	Magnetic susceptibility of a material is a measure of which property?	<u> </u>	
1			
A	✓ 1. How strongly it reacts to an external magnetic field		
1	•		
•	★ 2. How well it allows electric current to pass		
	3. How much gravitational force it produces		
	X 4. How much it resists the flow of electric charge		
	The first made in the new of discass change		
		Question ID :	4410091252621
			4410094943571
			4410094943570 4410094943572
		Option 3 ib .	4410034343372
		Option 4 ID :	
		Option 4 ID :	4410094943573
	Which phenomenon observed by Heinrich Hertz provided experimen		4410094943573
	Which phenomenon observed by Heinrich Hertz provided experimen electrons when light falls on a metal surface?		4410094943573
	electrons when light falls on a metal surface?		4410094943573
1 1			4410094943573
1 1 A	electrons when light falls on a metal surface?  1. Emission of electrons due to heating		4410094943573
1 1 A	electrons when light falls on a metal surface?  1. Emission of electrons due to heating  2. Emission due to collision with other particles		4410094943573
1 1 A	electrons when light falls on a metal surface?  *\times 1. Emission of electrons due to heating  *\times 2. Emission due to collision with other particles  *\times 3. Emission caused by incident light (photoelectric effect)		4410094943573
1 1 A	electrons when light falls on a metal surface?  1. Emission of electrons due to heating  2. Emission due to collision with other particles		4410094943573
1 1 A	electrons when light falls on a metal surface?  *\times 1. Emission of electrons due to heating  *\times 2. Emission due to collision with other particles  *\times 3. Emission caused by incident light (photoelectric effect)	tal evidence for the emission of	4410094943573
1 1 A	electrons when light falls on a metal surface?  *\times 1. Emission of electrons due to heating  *\times 2. Emission due to collision with other particles  *\times 3. Emission caused by incident light (photoelectric effect)	tal evidence for the emission of	4410094943573
1 1 A	electrons when light falls on a metal surface?  *\times 1. Emission of electrons due to heating  *\times 2. Emission due to collision with other particles  *\times 3. Emission caused by incident light (photoelectric effect)	Question ID :	4410094943573
	electrons when light falls on a metal surface?  *\times 1. Emission of electrons due to heating  *\times 2. Emission due to collision with other particles  *\times 3. Emission caused by incident light (photoelectric effect)	Question ID : Option 1 ID : Option 2 ID :	4410094943573 4410091252664 4410094943742





An electron of charge (-e) and mass  $(m_e)$  enters a region with cross uniform fields.

 $\vec{v} = \vec{v}$ . Which of the following statements describe the trajectory of the electron in

- ✓ 1 Straight line motion along the x axis if  $v_x = \frac{E}{R}$ .
  - ∑ 2. Cycloidal trajectory in the xy plane for all the values of v<sub>v</sub>.
  - X 3. Uniform circular motion in the xy − plane.
  - ★ 4 Helical motion around the z axis.

Question ID :	4410091224289
Option 1 ID :	4410094830620
Option 2 ID :	4410094830622
Option 3 ID :	4410094830619
Option 4 ID :	4410094830621

Q A square wire loop of side 0.3 m carries a current of 5 A. What is the magnetic dipole moment of the loop?

3 Α

X 1. 0.90 A·m²

**X** 2. 0.25 A⋅m²

√ 3. 0.45 A·m² **X** 4. 0.75 A⋅m²

> Question ID: 4410091251131 Option 1 ID: 4410094937708 Option 2 ID: 4410094937705 Option 3 ID: 4410094937706 Option 4 ID: 4410094937707

Q A uniform magnetic field of magnitude 0.36 T passes through a closed spherical surface. What is the total magnetic flux through the surface?

X 1. 0.18 Weber Α

n

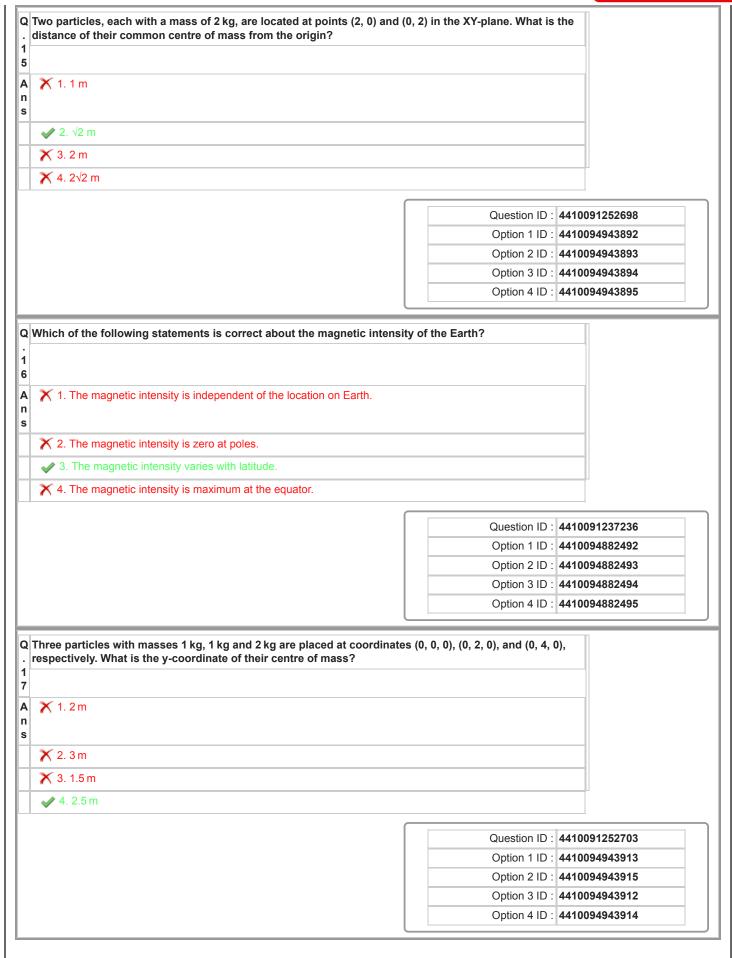
X 2. 0.36 Weber

X 4. 0.9 Weber

Question ID: 4410091252640 Option 1 ID : 4410094943648 Option 2 ID : 4410094943647 Option 3 ID : 4410094943646 Option 4 ID : 4410094943649











	the context of the photoelectric effect, if the intensity of incident light is equency above the threshold, which of the following changes is observe		ts
3			
1	➤ 1. The maximum kinetic energy of the emitted electrons increases.		
T	✓ 2. More electrons are emitted from the metal surface per second.		
Γ	✗ 3. The threshold frequency of the material is reduced.		
Ī	★ 4. The work function of the metal decreases.		
		0 ( 10	44400405050
			4410091252678
		·	4410094943798 4410094943799
			4410094943801
			4410094943800
		Splion + ID .	
V	hich of the following statements about the photoelectric effect is correc	rt?	
H	д		
)			
-	★ 1. Electrons are emitted only if light is monochromatic.		
ì	The Electronic are entitled only in light to monocinomatic.		
	★ 2. Electrons are emitted regardless of light frequency.		
	✓ 3. Electrons are emitted only if light frequency exceeds a threshold.		
Т	★ 4. Electrons are emitted only if light intensity exceeds a threshold.		
		Question ID :	4410091236738
		·	4410094880511
		·	4410094880510
			4410094880509
		Option 4 ID :	4410094880508
lr	the expression for the torque on a current-carrying loop, $\tau$ = IBAsin $\theta$ , w	hat does the angle θ repres	sent?
	✓ 1. Angle between the normal to the plane of the loop and the magnetic field.  1. Angle between the normal to the plane of the loop and the magnetic field.  2. The plane is a second of the loop and the magnetic field.  3. The plane is a second of the loop and the magnetic field.  4. The plane is a second of the loop and the magnetic field.  4. The plane is a second of the loop and the magnetic field.  4. The plane is a second of the loop and the magnetic field.  4. The plane is a second of the loop and the magnetic field.  4. The plane is a second of the loop and the magnetic field.  4. The plane is a second of the loop and the magnetic field.  4. The plane is a second of the loop and the magnetic field.  4. The plane is a second of the loop and the magnetic field.  4. The plane is a second of the loop and	eld	
⊢	X 2. Angle between the direction of current and the magnetic field		
Н	<ul> <li>✗ 3. Angle between the adjacent sides of the loop</li> </ul>		
Н	<ul> <li>4. Angle between the magnetic moment of the loop and the magnetic field</li> </ul>		
	7. Angle between the magnetic moment of the loop and the magnetic field		
		Question ID :	4410091236693
		Ontion 1 ID ·	
		Option 1 ID :	
		Option 2 ID :	4410094880329
		Option 2 ID :	

Section: Discipline6

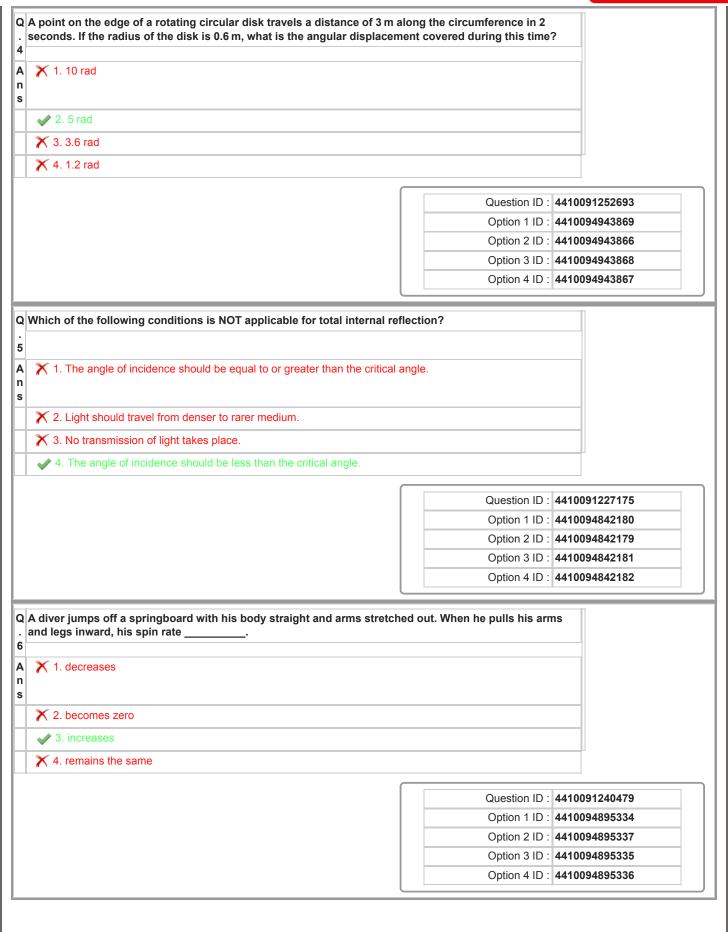




e energy required to completely split the nucleus ${Z \over Z}$ into its co	nstituent protons and neutrons is:
√ 1. less than the binding energy of the nucleus	
$(2. m(\frac{A}{7}X) C^2$ , where $m(\frac{A}{7}X)$ is the mass of the nucleus	
✓ 3. equal to or greater than the binding energy of the nucleus	
√ 4. [Z m(¹H) + N m(n)]c²,	
here $m\binom{1}{1}H$ is the proton mass, $m(n)$ is neutron mass	s and N is the number of neutron
	Question ID : 4410091256706
	Option 1 ID : <b>4410094959711</b>
	Option 2 ID : <b>4410094959709</b>
	Option 3 ID : <b>4410094959710</b>
	Option 4 ID : 4410094959712
<ul> <li>2. they converge at a point not on the principal axis known as the formal of the converge at a point on the principal axis known as the centres of the converge at a point not on the principal axis known as the converge at a point not on the principal axis known as the converge at a point not on the principal axis known as the converge at a point not on the principal axis known as the converge at a point not on the principal axis known as the converge at a point not on the principal axis known as the converge at a point not on the principal axis known as the converge at a point not on the principal axis known as the formal axis known as the converge at a point not on the principal axis known axis known as the converge at a point n</li></ul>	re of curvature
3. they converge at a point on the principal axis known as the centr	Question ID: 4410091227148 Option 1 ID: 4410094842077
3. they converge at a point on the principal axis known as the centr	Question ID: 4410091227148 Option 1 ID: 4410094842077 Option 2 ID: 4410094842078
3. they converge at a point on the principal axis known as the centr	Question ID: 4410091227148 Option 1 ID: 4410094842077 Option 2 ID: 4410094842078 Option 3 ID: 4410094842075
3. they converge at a point on the principal axis known as the centres 4. they converge at a point not on the principal axis known as the c	Question ID: 4410091227148 Option 1 ID: 4410094842077 Option 2 ID: 4410094842078 Option 3 ID: 4410094842075 Option 4 ID: 4410094842076
3. they converge at a point on the principal axis known as the centr	Question ID: 4410091227148 Option 1 ID: 4410094842077 Option 2 ID: 4410094842078 Option 3 ID: 4410094842075 Option 4 ID: 4410094842076
3. they converge at a point on the principal axis known as the centre 4. they converge at a point not on the principal axis known as the convex mirror has a focal length of 25 cm. An object is placed 75 the image is:  1. 12.5 cm behind the mirror	Question ID: 4410091227148 Option 1 ID: 4410094842077 Option 2 ID: 4410094842078 Option 3 ID: 4410094842075 Option 4 ID: 4410094842076
3. they converge at a point on the principal axis known as the centre 4. they converge at a point not on the principal axis known as the convex mirror has a focal length of 25 cm. An object is placed 75 the image is:  1. 12.5 cm behind the mirror	Question ID: 4410091227148 Option 1 ID: 4410094842077 Option 2 ID: 4410094842078 Option 3 ID: 4410094842075 Option 4 ID: 4410094842076
3. they converge at a point on the principal axis known as the centre 4. they converge at a point not on the principal axis known as the convex mirror has a focal length of 25 cm. An object is placed 75 the image is:  1. 12.5 cm behind the mirror  2. 25 cm behind the mirror  3. 37.5 cm in front of the mirror	Question ID: 4410091227148 Option 1 ID: 4410094842077 Option 2 ID: 4410094842078 Option 3 ID: 4410094842075 Option 4 ID: 4410094842076  Cm in front of the mirror. The position
3. they converge at a point on the principal axis known as the centre 4. they converge at a point not on the principal axis known as the convex mirror has a focal length of 25 cm. An object is placed 75 the image is:  1. 12.5 cm behind the mirror  2. 25 cm behind the mirror  3. 37.5 cm in front of the mirror	Question ID: 4410091227148 Option 1 ID: 4410094842077 Option 2 ID: 4410094842078 Option 3 ID: 4410094842075 Option 4 ID: 4410094842076  Cm in front of the mirror. The position  Question ID: 4410091236805
3. they converge at a point on the principal axis known as the centre 4. they converge at a point not on the principal axis known as the convex mirror has a focal length of 25 cm. An object is placed 75 the image is:  1. 12.5 cm behind the mirror  2. 25 cm behind the mirror  3. 37.5 cm in front of the mirror	Question ID: 4410091227148 Option 1 ID: 4410094842077 Option 2 ID: 4410094842078 Option 3 ID: 4410094842075 Option 4 ID: 4410094842076  Cm in front of the mirror. The position  Question ID: 4410091236805 Option 1 ID: 4410094880779
3. they converge at a point on the principal axis known as the centre 4. they converge at a point not on the principal axis known as the convex mirror has a focal length of 25 cm. An object is placed 75 the image is:  1. 12.5 cm behind the mirror  2. 25 cm behind the mirror  3. 37.5 cm in front of the mirror	Question ID: 4410091227148 Option 1 ID: 4410094842077 Option 2 ID: 4410094842078 Option 3 ID: 4410094842075 Option 4 ID: 4410094842076  Cm in front of the mirror. The position  Question ID: 4410091236805











The number of nuclei N(t) remaining in a radioactive salumber of nuclei N $_{\scriptscriptstyle 0}$ and the decay constant $\lambda$ by:	mple at time t is given in terms of the initial
✓ 1. $N(t)=N_0e^{-\lambda t}$	
× 2. N(t)=N <sub>0</sub> (1-λt)	
<b>×</b> 3. N(t)=N <sub>0</sub> (1+λt)	
$\times$ 4. N(t)=N <sub>0</sub> e <sup><math>\lambda t</math></sup>	
• • • • • • • • • • • • • • • • • • • •	
	Question ID : 4410091272097
	Option 1 ID : 4410095020388
	Option 2 ID : 4410095020390
	Option 3 ID : 4410095020391
	Option 4 ID : 4410095020389
Why does the photocurrent in a photoelectric experime	nt reach saturation?
★ 1. Stopping potential is reached.	
✓ 2. All electrons emitted are collected at the anode.	
★ 3. Electrons lose energy in transit.	
X 4. Light intensity becomes maximum.	
	Question ID : 4410091237249
	Option 1 ID : 4410094882543
	Option 2 ID : 4410094882540
	Option 3 ID : 4410094882542
	Option 4 ID : 4410094882541
A solid block, assumed to be a rigid body, moves along block as rigid, which of the following statements best e	explains its translational motion?
✓ 2. Each particle of the block moves with the same velocepresented by the motion of its centre of mass.	ocity at a given instant, and the motion can be
epresented by the motion of its centre of mass.	
	on external torque and not on external force.
epresented by the motion of its centre of mass.  X 3. The translational motion of the block depends only of	on external torque and not on external force.
epresented by the motion of its centre of mass.  X 3. The translational motion of the block depends only of	on external torque and not on external force.
epresented by the motion of its centre of mass.  X 3. The translational motion of the block depends only of	on external torque and not on external force.
epresented by the motion of its centre of mass.  X 3. The translational motion of the block depends only of	on external torque and not on external force.  cities but the same acceleration.  Question ID: 4410091263180
epresented by the motion of its centre of mass.  X 3. The translational motion of the block depends only of	On external torque and not on external force.  Cities but the same acceleration.  Question ID: 4410091263180  Option 1 ID: 4410094985653





behaviour?	the following entities can exhibit wave-like
✓ 1. All particles that are moving	
★ 2. Only particles of light such as photons	
★ 3. Only electrons in motion	
★ 4. Only electrons that are at rest	
	Question ID : 4410091252689
	Option 1 ID : 4410094943844
	Option 2 ID : 4410094943842
	Option 3 ID : 4410094943843
	Option 4 ID : 4410094943845
	n
According to Bohr's theory, the frequency of the emitted photon	n is determined by:
✓ 1. the difference of total energies of initial and final orbits divided	ed by Planck's constant
X 2. the difference of angular momenta of initial and final orbits	
★ 3. the sum of energies of initial and final orbits divided by Plance  1. **The sum of energies of initial and final orbits divided by Plance  2. **The sum of energies of initial and final orbits divided by Plance  3. **The sum of energies of initial and final orbits divided by Plance  3. **The sum of energies of initial and final orbits divided by Plance  3. **The sum of energies of initial and final orbits divided by Plance  3. **The sum of energies of initial and final orbits divided by Plance  4. **The sum of energies of initial and final orbits divided by Plance  5. **The sum of energies of initial and final orbits divided by Plance  6. **The sum of energies	ck's constant
X 4. the difference of kinetic energies of initial and final orbits	
	Question ID : 4410091236729
	Option 1 ID : 4410094880474
	Option 2 ID : 4410094880472
	Ontion 2 ID : 4440004000475
	Option 3 ID : 4410094880475
	Option 4 ID : 4410094880473
The ratio of De-Broglie wavelengths of two particles of equal ma	Option 4 ID : 4410094880473
The ratio of De-Broglie wavelengths of two particles of equal ma	Option 4 ID : 4410094880473
The ratio of De-Broglie wavelengths of two particles of equal ma	Option 4 ID : 4410094880473
	Option 4 ID : 4410094880473
	Option 4 ID : 4410094880473
<b>★</b> 1. 1 : 4	Option 4 ID : 4410094880473
	Option 4 ID : 4410094880473
★ 1.1:4 ★ 2.2:1 ★ 3.1:2	Option 4 ID : 4410094880473
	Option 4 ID : 4410094880473
★ 1.1:4 ★ 2.2:1 ★ 3.1:2	Option 4 ID : 4410094880473  ass having kinetic energies K and 4K is
★ 1.1:4 ★ 2.2:1 ★ 3.1:2	Option 4 ID : 4410094880473  ass having kinetic energies K and 4K is  Question ID : 4410091236750
	Question ID : 4410094880473  Question ID : 4410091236750  Option 1 ID : 4410094880556
★ 1.1:4 ★ 2.2:1 ★ 3.1:2	Question ID : 4410094880473  Question ID : 4410091236750 Option 1 ID : 0000000000000000000000000000000000
★ 1.1:4 ★ 2.2:1 ★ 3.1:2	Question ID : 4410094880473  Question ID : 4410091236750  Option 1 ID : 4410094880556





	If two equal masses are placed at two points equidistant from the origin, then t	ne centre of mass lies:	
1			
	★ 2. midway but shifted towards the heavier mass		
	X 3. at infinity		
		Question ID : 4410091256342	<b>)</b>
		Option 1 ID : 4410094966201	
		Option 2 ID : <b>441009496620</b> 2	
		Option 3 ID : 4410094966203	
		Option 4 ID : <b>441009496620</b> 0	)
	In a hydrogen atom, the radius of the first Bohr orbit is approximately 0.5 Å. Ba would be the radius of the third orbit?	sed on Bohr's model, what	
	<b>✓</b> 2. 4.5 Å		
	<b>★</b> 3. 1.0 Å		
	<b>★</b> 4. 2.5 Å		
		Question ID : 4410091252658	· ·
		Option 1 ID : 4410094943719	
		Option 2 ID : 441009494372	
		Option 3 ID : 4410094943718	
		Option 4 ID : <b>441009494372</b> 0	
		CPIIOI + 1D . 44100040407272	
j	If the torque acting on a body is zero, then according to the equation of rotation	nal motion, the:	
2	✓ 1. angular momentum is conserved		
	✓ 1. angular momentum is conserved		
	✓ 1. angular momentum is conserved		
	<ul><li>✓ 1. angular momentum is conserved</li><li>X 2. angular acceleration is infinite</li></ul>		
	<ul> <li>✓ 1. angular momentum is conserved</li> <li>X 2. angular acceleration is infinite</li> <li>X 3. angular velocity is zero</li> </ul>	Ouestion ID : 4/10091226755	3
	<ul> <li>✓ 1. angular momentum is conserved</li> <li>X 2. angular acceleration is infinite</li> <li>X 3. angular velocity is zero</li> </ul>	Question ID : 4410091236758	
	<ul> <li>✓ 1. angular momentum is conserved</li> <li>X 2. angular acceleration is infinite</li> <li>X 3. angular velocity is zero</li> </ul>	Option 1 ID : 4410094880588	3
	<ul> <li>✓ 1. angular momentum is conserved</li> <li>X 2. angular acceleration is infinite</li> <li>X 3. angular velocity is zero</li> </ul>	Option 1 ID : 4410094880588 Option 2 ID : 4410094880590	3
	<ul> <li>✓ 1. angular momentum is conserved</li> <li>X 2. angular acceleration is infinite</li> <li>X 3. angular velocity is zero</li> </ul>	Option 1 ID : 4410094880588	3

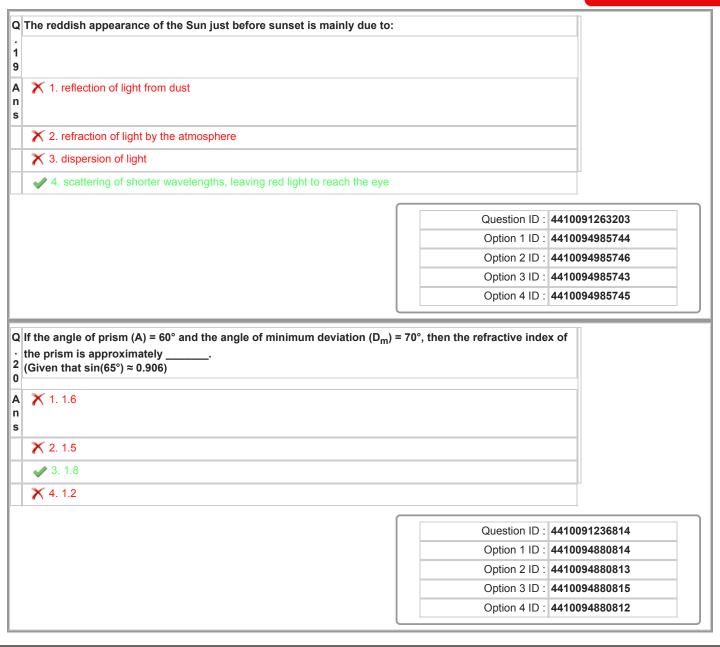




/hich of the following statements is true in case of stopping paterial?	potential for a given photosensitive
★ 1. The stopping potential increases exponentially with the free	quency of the incident radiation.
★ 2. The stopping potential increases linearly with the intensity of the stopping potential increases.  ★ 2. The stopping potential increases linearly with the intensity of the stopping potential increases.  ★ 2. The stopping potential increases linearly with the intensity of the stopping potential increases.  ★ 2. The stopping potential increases linearly with the intensity of the stopping potential increases.  ★ 2. The stopping potential increases linearly with the intensity of the stopping potential increases.  ★ 3. The stopping potential increases linearly with the intensity of the stopping potential increases.  ★ 4. The stopping potential increases linearly with the intensity of the stopping potential increases.  ★ 4. The stopping potential increases linearly with the intensity of the stopping potential increases.  ★ 4. The stopping potential increases linearly with the stopping potential increases linearly with the stopping potential increases.  ★ 4. The stopping potential increases linearly with the stopping potential increases lin	of the incident radiation.
3. The stopping potential increases linearly with the frequence	cy of the incident radiation.
4. The stopping potential is independent of the frequency of the transfer of the frequency of the frequen	he incident radiation.
	Question ID : 4410091216580
	Option 1 ID : 4410094799734
	Option 2 ID : <b>4410094799733</b> Option 3 ID : <b>4410094799732</b>
	Option 4 ID : <b>4410094799735</b>
	Option 4 ID . 4410094793735
/hich of the following is a common practical use of Polaroid t	filtore 2
✓ 1. Minimising reflected glare in sunglasses	
★ 2. Producing laser light	
✗ 3. Amplifying the brightness of light	
★ 4. Determining the wavelength of light	
	Question ID : 4410091254092
	Option 1 ID : 4410094949435
	Option 2 ID : 4410094949437
	Option 3 ID : <b>4410094949436</b>
	Option 4 ID : 4410094949434
the angular acceleration of a rotating body is zero, then the:	<u>:                                    </u>
★ 1. angular velocity is zero	
X 2. torque is infinite	
	Question ID : 4410091236764
	Option 1 ID : 4410094880612
	Option 1 ID : 4410094880612 Option 2 ID : 4410094880614
	Option 1 ID : 4410094880612











observed at an angle of 0.001 rad, what is the w	avoicing at Of the light:
<b>X</b> 1. 225 nm	
<b>X</b> 2. 900 nm	
<b>X</b> 3. 675 nm	
✓ 4. 450 nm	
	Question ID : 4410091254091
	Option 1 ID : 4410094949432
	Option 2 ID : 4410094949431
	Option 3 ID : 4410094949433
	Option 4 ID : 4410094949430
l longitudinal wave propagates in a medium ald	ong the Z-axis. The particles of the medium vibrate:
X 1. along the X-axis	
T. diong the X axis	
X 2. along the Y-axis	
X 3. in the X-Y plane	
	The state of the s
	Question ID : 4410091237679
	Option 1 ID : 4410094884249
	Option 2 ID : 4410094884250
	Option 3 ID : 4410094884251
	Option 4 ID : 4410094884248
Which conservation law led to the postulation o	of the neutrino in beta decay?
<b>*</b> 4.0 ° '	
1. Conservation of momentum only	
2. Conservation of angular momentum and er	nergy
★ 3. Conservation of charge	
X 4. Conservation of mass	
- 1. Solicervation of mass	
	Question ID: 4410091236786
	Option 1 ID : 4410094880703
	Option 2 ID : <b>4410094880701</b>
	Option 2 ID : 4410094880701 Option 3 ID : 4410094880700
	Option 2 ID : 4410094880701  Option 3 ID : 4410094880700  Option 4 ID : 4410094880702





Q In simple harmonic motion, the ratio of maximum potential energy	to total energy is
5	
A × 1. 0.5	
n	
<b>S</b>	
<b>◆</b> 2. 1	
<b>★</b> 3. 0	
X 4. infinite	
	0 5 10 144000400004
	Question ID : 4410091236834
	Option 1 ID : 4410094880894 Option 2 ID : 4410094880892
	Option 3 ID : 4410094880893
	Option 4 ID : 4410094880895
Q Which of the following devices uses total internal reflection?	
6	
A X 1. Microscope	
s	
★ 2. Magnifying glass	
X 3. Telescope  X 3. Telescope	
✓ 4. Endoscope	
	Question ID : 4410091236819
	Option 1 ID : 4410094880833
	Option 2 ID : 4410094880832
	Option 3 ID : 4410094880835
	Option 4 ID : 4410094880834
	et e
Q In a displacement-time graph, representing simple harmonic moti. to move from its maximum displacement to the mean (zero) positi	
7	on:
A X 1. Half of the time period	
n S	
<ul><li>★ 3. One full time period</li></ul>	
a A a. One ruir time period	
★ 4. One-eighth of the time period	
	Ouestion ID : 4410091254102
	Question ID : 4410091254102 Option 1 ID : 4410094949475
	Option 1 ID : 4410094949475
	Option 1 ID : 4410094949475 Option 2 ID : 4410094949476
	Option 1 ID : 4410094949475



Q Without Laplace's correction, the speed of sound in a liquid is underestimated because:

8

Α X 1. surface tension is neglected

n

2. liquid expands adiabatically in reality

3. liquid compresses isothermally in reality

4. liquid compresses adiabatically in reality

Question ID	: 4410091236883
Option 1 ID	: 4410094881091
Option 2 ID	: 4410094881090
Option 3 ID	: 4410094881088
Option 4 ID	: 4410094881089

Q The displacement (x) of a particle executing simple harmonic motion is given by

 $x(t) = a Sin(\frac{\pi}{4}t) + b Cos(\frac{\pi}{4}t) \text{ (in m), where a = 3 m and b = 5 m. The amplitude (in m) and phase constant (in rad) is given by _____, respectively.}$ 

 $\sqrt{1} \sqrt{34} \text{ and } \tan^{-1}(\frac{5}{3})$ 

 $\times$  2. 5 and  $\tan^{-1}(\frac{5}{4})$ 

 $\times$  3.4 and  $\tan^{-1}(\frac{4}{5})$ 

 $\times$  4.  $\sqrt{34}$  and  $\tan^{-1}(\frac{3}{5})$ 

Question ID :	4410091237582
Option 1 ID :	4410094883860
Option 2 ID :	4410094883863
Option 3 ID :	4410094883862
Option 4 ID :	4410094883861

Q Under which condition does a simple pendulum experience resonance?

1 0

X 1. When the opposing (damping) force is strongest

Α n s

2. When the frequency of external force matches the pendulum's natural frequency

X 3. When the length of the pendulum is increased

💢 4. When the swinging motion has the smallest amplitude

Question ID :	4410091254103
Option 1 ID :	4410094949478
Option 2 ID :	4410094949481
Option 3 ID :	4410094949480
Option 4 ID :	4410094949479





$ imes$ 1. $K_{ m max}  imes { m a}^3$		
× 2. K <sub>max</sub> ∝ a <sup>4</sup>		
× 3. K <sub>max</sub> ∝ a		
max		
	Question ID :	4410091237607
	Option 1 ID :	4410094883962
		4410094883963
		4410094883960
	Option 4 ID :	4410094883961
<ul><li>✓ 2. 6</li><li>★ 3. 3</li><li>★ 4. 12</li></ul>		
	Question ID :	4410091254107
		4410004040405
	Option 1 ID :	4410034343435
	Option 2 ID :	4410094949496
	Option 2 ID : Option 3 ID :	4410094949494 4410094949494
	Option 2 ID : Option 3 ID : Option 4 ID :	4410094949496
If the phase difference between two interfering waves is an odd multiple observed is:  **\times 1. stationary**  **\times 2. constructive*	Option 2 ID : Option 3 ID : Option 4 ID :	4410094949494 4410094949494
observed is:  X 1. stationary  X 2. constructive  ✓ 3. destructive	Option 2 ID : Option 3 ID : Option 4 ID :	4410094949494 4410094949494
observed is:  1. stationary  2. constructive	Option 2 ID : Option 3 ID : Option 4 ID :	4410094949494 4410094949494
observed is:  X 1. stationary  X 2. constructive  ✓ 3. destructive	Option 2 ID : Option 3 ID : Option 4 ID : e of π, then the interference	4410094949494 4410094949497
observed is:   X 1. stationary  X 2. constructive  ✓ 3. destructive	Option 2 ID : Option 3 ID : Option 4 ID : e of π, then the interference	4410094949494 4410094949497 4410094949497
observed is:  X 1. stationary  X 2. constructive  ✓ 3. destructive	Option 2 ID : Option 3 ID : Option 4 ID :  e of π, then the interference  Question ID : Option 1 ID :	4410094949494 4410094949497
observed is:  X 1. stationary  X 2. constructive  ✓ 3. destructive	Option 2 ID : Option 3 ID : Option 4 ID :  e of π, then the interference  Question ID : Option 1 ID : Option 2 ID :	4410094949494 4410094949497 4410094949497 4410091263191 4410094985697





A sound-emitting object remains at rest, producing waves way from the source at 60 m/s, and the speed of sound i perceived by the moving listener?	
<b>X</b> 1. 600 Hz	
<b>X</b> 2. 500 Hz	
<b>✓</b> 3. 288 Hz	
<b>X</b> 4. 720 Hz	
	Question ID : 4410091254098
	Option 1 ID : 4410094949461
	Option 2 ID : 4410094949459
	Option 3 ID : 4410094949458
	Option 4 ID : 4410094949460
or a particle in a transverse progressive wave, the displa	acement is:
X 1. along the wavefront	
, vising the national	
× 2. zero	
3. perpendicular to the direction of wave propagation	
X 4. parallel to the direction of wave propagation	
	Question ID : 4410091236899
	Option 1 ID : 4410094881154
	Option 2 ID : 4410094881155
	Option 3 ID : 4410094881153
	Option 4 ID : 4410094881152
Accommodation of distinct vision by the human eye is ac	:hieved by:
X 1. changing the wavelength that eye sees	
X 2. increasing the intensity of the light	
✓ 3. changing the focal length of the eye's lens	
★ 4. not closing the eyelids for a long duration	
The cooling the eyelide for a long daration	
	Question ID : 4410091227139
	Option 1 ID : 4410094842039
	Option 2 ID : 4410094842042
	Option 3 ID : 4410094842040
	Option 3 ID : 4410094842040 Option 4 ID : 4410094842041





✓ 1. Using light of shorter wavelength	
1. Using light of shorter wavelength	
★ 2. Reducing the numerical aperture	
<ul><li>X 3. Increasing the wavelength of the light used</li></ul>	
* -	
X 4. Increasing the focal length of the objective	
	Question ID : 4410091236794
	Option 1 ID : 4410094880733
	Option 2 ID : 4410094880735
	Option 3 ID : 4410094880732
	Option 4 ID : 4410094880734
A 41:	1
A thin prism of refracting angle (A) 10° is made	
What is the angular dispersion $(\delta_{_{ m m}})$ produced b	y the prism?
×1.31.0°	
Waaaa 20	
× 2.10.39°	
× 3.15.2°	
<b>✓</b> 4. 0.6 °	
	Question ID : 4410091224557
	Option 1 ID : 4410094831703
	Option 2 ID : 4410094831706
	Option 3 ID : <b>4410094831705</b>
	Option 4 ID : 4410094831704
The half-life of a given radioactive sample is 0.693 days. Th	ne time required for 60% of the nuclei to decay
is uays.	
is uays.	
$\checkmark$ 1. In $(\frac{1}{0.4})$	
✓ 1. $\ln \left( \frac{1}{0.4} \right)$ × 2. $\ln(0.6)$	
✓ 1. $\ln \left( \frac{1}{0.4} \right)$ ✓ 2. $\ln(0.6)$ ✓ 3. $\ln(4)$	
✓ 1. In $(\frac{1}{0.4})$ × 2. In(0.6)	
✓ 1. In $(\frac{1}{0.4})$ × 2. In(0.6)  × 3. In(4)	
✓ 1. In $(\frac{1}{0.4})$ × 2. In(0.6)  × 3. In(4)	Question ID : 4410091256733
✓ 1. In $(\frac{1}{0.4})$ × 2. In(0.6)  × 3. In(4)	Option 1 ID : 4410094959815
✓ 1. $\ln \left( \frac{1}{0.4} \right)$ ★ 2. $\ln(0.6)$ ★ 3. $\ln(4)$	Option 1 ID : 4410094959815 Option 2 ID : 4410094959816
<ul><li>★ 2. ln(0.6)</li><li>★ 3. ln(4)</li></ul>	Option 1 ID : 4410094959815





Q if the velocity of a sound wave passing through the oxygen and hydrogen medium at the standard temperature and pressure (STP) is  $v_0$  and  $v_H$ , respectively, then which of the following is true?

A  $\times$  1.  $v_0 = 4v_H$ S  $2 \cdot v_H = 4v_0$   $\times$  3.  $v_H = v_0$   $\times$  4.  $v_0 = 2v_H$ Question ID: 4410091237632

Option 1 ID: 4410094884182

Option 2 ID: 4410094884181

Option 3 ID: 4410094884180

Option 4 ID: 4410094884183

Section: Discipline8 Q Avogadro's number is defined as the number of: Α ✓ 1. atoms in 1 mole of a substance n s 💢 2. molecules in 1 gram of a substance X 3. molecules in 1 litre of gas at STP 4. electrons in 1 gram of a substance Question ID: 4410091236962 Option 1 ID : 4410094881405 Option 2 ID: 4410094881404 Option 3 ID : 4410094881407 Option 4 ID : 4410094881406 Q A fluid flows steadily between two parallel plates spaced 0.01 m apart, creating a velocity gradient of 50 s<sup>-1</sup>. If the shear stress developed in the fluid is 10 Pa, what is the coefficient of viscosity of the fluid? Α X 1. 0.05 Pa.s n X 2. 0.25 Pa.s √ 3. 0.20 Pa.s X 4. 0.15 Pa.s Question ID : 4410091257124 Option 1 ID: 4410094961355 Option 2 ID : 4410094961357 Option 3 ID : 4410094961356 Option 4 ID : 4410094961358





$ \mathbf{Q} $ In a heat engine, if no heat is rejected to the sink ( $\mathbf{Q}_{\mathbf{C}} = 0$ ), the efficiency	ciency will be
3	
A × 1. −10%	
n s	
★ 2.50%	
<b>✓</b> 3. 100%	
<b>★</b> 4. 0%	
4.0%	
	Question ID : 4410091236983
	Option 1 ID : 4410094881491
	Option 2 ID : 4410094881489
	Option 3 ID : 4410094881490
	Option 4 ID : 4410094881488
What is the relation between molar specific heat capacity at constant pressure ( $C_p$ ) in case of an ideal gas? ( $R = u_1$ )  A n s	-
$ \times 2. \frac{C_p}{C_V} = R $ $ \times 3. C_p C_V = R $ $ \times 4. C_p + C_V = R $	
<b>X</b> 3. C <sub>P</sub> C <sub>V</sub> = R	
$\times$ 4. $C_P + C_V = R$	
	Question ID: 4410091232879
	Option 2 ID : 4410094865196
	Option 2 ID : 4410094865199

Ques	stion ID :	44100912	32879
Opti	on 1 ID :	44100948	65196
Opti	on 2 ID :	44100948	65199
Opti	on 3 ID :	44100948	65197
Opti	on 4 ID :	44100948	65198

Q	What does the latent heat of fusion represent from the following?
5	
A	★ 1. The heat energy needed to increase the temperature of a substance
s	
	X 2. The energy required to turn a liquid into vapour
Г	X 4. The energy released when a gas turns into liquid

Question ID :	4410091257104
Option 1 ID :	4410094961275
Option 2 ID :	4410094961277
Option 3 ID:	4410094961276
Option 4 ID :	4410094961278





Q	oap bubbles are spherical in shape because:
6	
A	X 1. pressure inside is uniform
n	
S	× 0 and the sate and the stige
4	X 2. gravity acts equally in all directions
4	
	X 4. atmospheric pressure is same everywhere
	Question ID : 4410091236946
	Option 1 ID : 4410094881340
	Option 2 ID : 4410094881342
	Option 3 ID : 4410094881341
	Option 4 ID : 4410094881343
_	
	ach side of a cube is measured to be 7.203 m. What is the total surface area (in m <sup>2</sup> ) of the cube to ppropriate significant figures?
A	<b>★</b> 1. 311
n	↑ 1.511
s	
	<b>✓</b> 2. 311.3
	<b>★</b> 3. 311.29
	<b>×</b> 4. 310
	Question ID : 4410091237380
	Option 1 ID : 4410094883056  Option 2 ID : 4410094883058
	Option 3 ID : 4410094883059
	Option 4 ID : 4410094883057
Q.	he term 'gauge pressure' refers to:
.	
8 A	★ 1. pressure measured with respect to vacuum
n	1. pressure measured with respect to vacuum
s	
	X 2. pressure measured with respect to zero depth
	X 4. pressure independent of fluid density
	Question ID : 4410091269700
	Option 1 ID : 4410095011152 Option 2 ID : 4410095011154
	Option 2 ID : 4410095011154  Option 3 ID : 4410095011153
	Option 4 ID : 4410095011155





a liquid changes its phase from liquid to a gas at consta tatements best describes the role of latent heat of vap	
★ 1. To increase the kinetic energy of the molecules	
✓ 2. To overcome the intermolecular forces of attraction	
★ 3. To increase the density of the substances	
X 4. To increase the temperature of the substance	
	Question ID : 4410091229717
	Option 1 ID : 4410094852345
	Option 2 ID : 4410094852347
	Option 3 ID : 4410094852346
	Option 4 ID : 4410094852344
Vhich of the following factors is ignored in the ideal Be	Finoum equation when applied to blood now?
★ 1. Gravitational potential energy	
X 2. Pressure variations	
X 3. Kinetic energy of blood	
✓ 4. Viscosity of blood	
	Question ID : 4410091236924
	Option 1 ID : 4410094881255
	Option 2 ID : 4410094881253
	Option 3 ID : 4410094881254
	Option 4 ID : 4410094881252
Vhich of the following physical phenomena is a direct r	result of surface tension?
★ 1. The boiling of water at 100°C	
✓ 2. The spherical shape of a small liquid drop	
<ul><li>✓ 2. The spherical shape of a small liquid drop</li><li>✗ 3. The sinking of a heavy stone in water</li></ul>	
✓ 2. The spherical shape of a small liquid drop	
<ul><li>✓ 2. The spherical shape of a small liquid drop</li><li>✗ 3. The sinking of a heavy stone in water</li></ul>	
<ul><li>✓ 2. The spherical shape of a small liquid drop</li><li>✗ 3. The sinking of a heavy stone in water</li></ul>	Question ID : 4410091229735
<ul><li>✓ 2. The spherical shape of a small liquid drop</li><li>✗ 3. The sinking of a heavy stone in water</li></ul>	Option 1 ID : 4410094852417
<ul><li>✓ 2. The spherical shape of a small liquid drop</li><li>✗ 3. The sinking of a heavy stone in water</li></ul>	Option 1 ID : 4410094852417 Option 2 ID : 4410094852419
<ul><li>✓ 2. The spherical shape of a small liquid drop</li><li>✗ 3. The sinking of a heavy stone in water</li></ul>	Option 1 ID : 4410094852417





The bulk modulus of the solid is defined as the ratio of st	tress and strain.
★ 1. hydraulic; shear	
✓ 2. hydraulic; volume	
★ 3. pressure; shear	
X 4. shear; hydraulic	
	Question ID : 4410091300722
	Option 1 ID : 4410095135217
	Option 2 ID : 4410095135218
	Option 3 ID : 4410095135219
	Option 4 ID : 4410095135216
The Perneulli principle expresses which fundamental whysical law is	n fluid motion?
The Bernoulli principle expresses which fundamental physical law in	ii iiuiu iiiotioii ?
✓ 1. Law of conservation of energy	
1. Law of conservation of energy	
X 2. Law of conservation of angular momentum	
★ 3. Law of conservation of mass	
X 4. Law of conservation of momentum	
	Question ID : 4410091254108
	Option 1 ID : 4410094961176
	Option 2 ID : 4410094961178
	Option 3 ID : 4410094961177
	Ontion 4 ID : 4440004064475
	Option 4 ID : 4410094961175
The upward force acting on an aerofoil moving through air due to th	
The upward force acting on an aerofoil moving through air due to th upper and lower surfaces is known as:	
upper and lower surfaces is known as:	
upper and lower surfaces is known as:	
upper and lower surfaces is known as:	
upper and lower surfaces is known as:  1. Bernoulli force	
upper and lower surfaces is known as:   ✓ 1. Bernoulli force  ✓ 2. Dynamic lift  ✓ 3. Thrust	
upper and lower surfaces is known as:   ✓ 1. Bernoulli force  ✓ 2. Dynamic lift	
upper and lower surfaces is known as:   ✓ 1. Bernoulli force  ✓ 2. Dynamic lift  ✓ 3. Thrust	
upper and lower surfaces is known as:   ✓ 1. Bernoulli force  ✓ 2. Dynamic lift  ✓ 3. Thrust	e pressure difference between its
upper and lower surfaces is known as:   ✓ 1. Bernoulli force  ✓ 2. Dynamic lift  ✓ 3. Thrust	Question ID : 4410091269692
upper and lower surfaces is known as:   ✓ 1. Bernoulli force  ✓ 2. Dynamic lift  ✓ 3. Thrust	Question ID : 4410091269692 Option 1 ID : 4410095011112

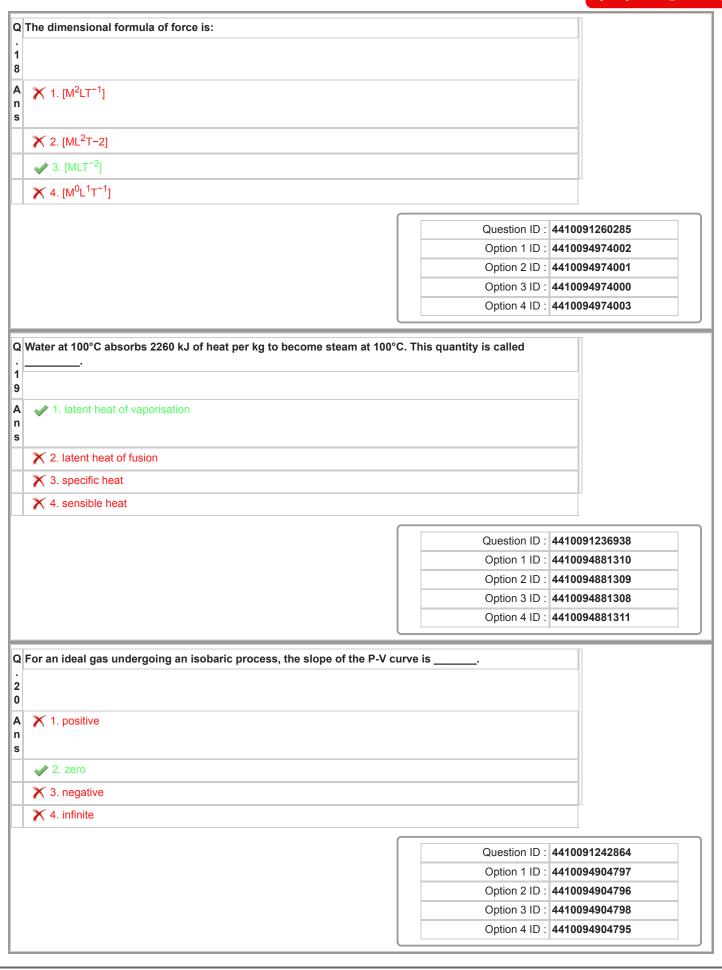




Q	The equation of state of a perfect gas is expressed as PV = nRT, where	R represents the
1		
5	M	
A n s	★ 1. ideal gas pressure	
	✓ 2. universal gas constant	
	★ 3. internal energy	
	X 4. specific gas constant	
		Question ID : 4410091236968
		Option 1 ID : 4410094881431
		Option 2 ID : 4410094881428
		Option 3 ID : 4410094881430
		Option 4 ID : 4410094881429
_		n
Q	Which of the following materials exhibits high plasticity?	
1		
6		
A	X 1. Steel	
n s		
3	× 2. Rubber	
_		
	X 3. Glass	
	✓ 4. Lead	
		Question ID : 4410091236931
		Option 1 ID : 4410094881280
		Option 2 ID : 4410094881281
		Option 3 ID : 4410094881283
		Option 4 ID : 4410094881282
Q	Which of the following statements is true in case of mean free path of a	a molecule?
1		
7		
Α	★ 1. It is not dependent on the number density and size of the molecule.	
n s		
_	X 2. It is linearly proportional to the number density but inversely proportion	onal to the size of the molecule.
-		
-	•	
	X 4. It is inversely proportional to the number density but linearly proportion	orial to the size of the molecule.
		Question ID : 4410091232793
		Option 1 ID : <b>4410094864851</b> Option 2 ID : <b>4410094864849</b>
		Uption ∠ ID :  4410094864849
		Option 3 ID : <b>4410094864848</b> Option 4 ID : <b>4410094864850</b>







Section: Discipline9





	A 2 kg object, moving at 5 m/s, collides and sticks How much kinetic energy is lost in the collision?	s to a 1 kg object, moving at 2 m/s, in the same direction.
✓ 2.3 J         X 3. 24 J         X 4. 12 J         Question ID: 4410094271376         Option 1 ID: 4410094971375         Option 2 ID: 4410094971376         Option 3 ID: 4410094971377         Option 4 ID: 4410094971376         If silver and gold bars are immersed in a water bath at thermal equilibrium, thermodynamic variable of silver and gold is	<b>★</b> 1 27.J	
X 3.24 J   X 4.12 J		
X 3.24 J	231	
Question ID :   4410094371375		
Question ID :   4410991257175   Option 1 ID :   4410994971374   Option 2 ID :   441094971375   Option 2 ID :   441094971375   Option 3 ID :   441094971376   Option 3 ID :   441094971376		
Option 1 ID   4410094971375     Option 2 ID   4410094971374     Option 3 ID   4410094971376     Option 3 ID   4410094971376     Option 4 ID   4410094971376     If silver and gold bars are immersed in a water bath at thermal equilibrium, thermodynamic variable of silver and gold is	4. 12 J	
Option 2 ID:   4410094971374		Question ID : 4410091257175
Section   Description   Des		Option 1 ID : 4410094971375
If silver and gold bars are immersed in a water bath at thermal equilibrium, thermodynamic variable of silver and gold is		Option 2 ID : 4410094971374
If silver and gold bars are immersed in a water bath at thermal equilibrium, thermodynamic variable of silver and gold is  1. temperature; equal  2. hydraulic pressure; not equal  3. temperature; equal  Question ID: 4410091301662  Option 1 ID: 441095138861  Option 3 ID: 441095138858  Question ID: 441095138858  When heat is supplied to a system and no work is done (W = 0), the heat added:  1. is lost  2. remains constant  3. changes only the work done  4. changes only the internal energy  Question ID: 441091236975  Option 1 ID: 4410934881458  Option 2 ID: 4410934881459  Option 3 ID: 4410934881457		Option 3 ID : 4410094971377
of silver and gold is   1. temperature; equal  1. temperature; not equal  2. temperature; not equal  2. temperature; not equal  2. temperature; not equal  3. temperature; not equal  4. temperature; not equal		Option 4 ID : 4410094971376
of silver and gold is   1. temperature; equal  1. temperature; not equal  2. definition in temperature; not equal  2. definition in temperature; not equal  2. definition in temperature; not equal  2. temperature; not equal  2. definition in temperature; not equal  2. definition in temperature; not equal  3. temperature; not equal  4. definition in temperature; not equal  4. temperature; not equal  4. definition in temper		
✓ 1. temperature; equal         ✓ 2. hydraulic pressure; not equal         ✓ 3. temperature; not equal         ✓ 4. bulk modulus; equal         Question ID : 4410091301662         Option 1 ID : 4410095138861         Option 2 ID : 4410095138869         Option 3 ID : 4410095138868         Option 4 ID : 4410095138868     When heat is supplied to a system and no work is done (W = 0), the heat added:           ✓ 1. is lost         ✓ 2. remains constant       ✓ 3. changes only the work done         ✓ 4. changes only the internal energy     Question ID : 4410091236975  Option 1 ID : 4410094881458  Option 2 ID : 4410094881459  Option 3 ID : 4410094881457		th at thermal equilibrium, thermodynamic variable
X 2. hydraulic pressure; not equal         X 3. temperature; not equal         Question ID :         4410091301662         Option 1 ID :         4410095138861         Option 2 ID :         4410095138859         Option 3 ID :         4410095138860         Option 4 ID :         4410095138858    When heat is supplied to a system and no work is done (W = 0), the heat added:         X 1. is lost         X 2. remains constant         X 3. changes only the work done         4. changes only the internal energy    Question ID : 4410091236975 Option 1 ID : 4410094881458 Option 2 ID : 4410094881459 Option 3 ID : 4410094881457	or sirver and your is	
X 2. hydraulic pressure; not equal         X 3. temperature; not equal         X 4. bulk modulus; equal     Question ID: 4410091301662  Option 1 ID: 4410095138861  Option 2 ID: 4410095138859  Option 3 ID: 4410095138858  When heat is supplied to a system and no work is done (W = 0), the heat added:  X 1. is lost  X 2. remains constant  X 3. changes only the work done  ✓ 4. changes only the internal energy  Question ID: 4410091236975  Option 1 ID: 4410094881458  Option 2 ID: 4410094881459  Option 3 ID: 4410094881457	√ 1. temperature; equal	
X 2. hydraulic pressure; not equal  X 3. temperature; not equal  X 4. bulk modulus; equal  Question ID: 4410091301662 Option 1 ID: 4410095138861 Option 2 ID: 4410095138859 Option 3 ID: 4410095138850 Option 4 ID: 4410095138858  When heat is supplied to a system and no work is done (W = 0), the heat added:  X 1. is lost  X 2. remains constant  X 3. changes only the work done  ✓ 4. changes only the internal energy  Question ID: 4410091236975 Option 1 ID: 4410094881458 Option 2 ID: 4410094881459 Option 3 ID: 4410094881457		
X 3. temperature; not equal         X 4. bulk modulus; equal         Question ID: 4410091301662         Option 1 ID: 4410095138861         Option 2 ID: 4410095138859         Option 3 ID: 4410095138860         Option 4 ID: 4410095138858    When heat is supplied to a system and no work is done (W = 0), the heat added:         X 1. is lost         X 2. remains constant         X 3. changes only the work done         ✓ 4. changes only the internal energy    Question ID: 4410091236975 Option 1 ID: 4410094881458 Option 2 ID: 4410094881459 Option 3 ID: 4410094881457	X 2 hydraulic pressure; not equal	
✓ 4. bulk modulus; equal         Question ID : 4410091301662         Option 1 ID : 4410095138861         Option 2 ID : 4410095138859         Option 3 ID : 4410095138860         Option 4 ID : 4410095138858    When heat is supplied to a system and no work is done (W = 0), the heat added:         ✓ 1. is lost         ✓ 2. remains constant         ✓ 3. changes only the work done         ✓ 4. changes only the internal energy         Question ID : 4410091236975         Option 1 ID : 4410094881458         Option 2 ID : 4410094881459         Option 3 ID : 4410094881457		
Question ID : 4410091301662		
Option 1   D :   4410095138861     Option 2   D :   4410095138859     Option 3   D :   4410095138858     When heat is supplied to a system and no work is done (W = 0), the heat added:    ★ 1. is lost	4. bulk modulus, equal	
Option 2 ID : 4410095138859     Option 3 ID : 4410095138858     When heat is supplied to a system and no work is done (W = 0), the heat added:   ★ 1. is lost     ★ 2. remains constant     ★ 3. changes only the work done     ★ 4. changes only the internal energy     Question ID : 4410091236975     Option 1 ID : 4410094881458     Option 2 ID : 4410094881459     Option 3 ID : 4410094881457     Option 3 ID : 4410094881457		Question ID : 4410091301662
Option 3 ID : 4410095138860 Option 4 ID : 4410095138858  When heat is supplied to a system and no work is done (W = 0), the heat added:		Option 1 ID : 4410095138861
When heat is supplied to a system and no work is done (W = 0), the heat added:   ★ 1. is lost   ★ 2. remains constant   ★ 3. changes only the work done   ★ 4. changes only the internal energy    Question ID :   4410091236975     Option 1 ID :   4410094881458     Option 2 ID :   4410094881459     Option 3 ID :   4410094881457		Option 2 ID : 4410095138859
When heat is supplied to a system and no work is done (W = 0), the heat added:  X 1. is lost  X 2. remains constant  X 3. changes only the work done  A 4. changes only the internal energy  Question ID: 4410091236975  Option 1 ID: 4410094881458  Option 2 ID: 4410094881457		Option 3 ID : 4410095138860
X 1. is lost         X 2. remains constant         X 3. changes only the work done         ✓ 4. changes only the internal energy         Question ID : 4410091236975         Option 1 ID : 4410094881458         Option 2 ID : 4410094881459         Option 3 ID : 4410094881457		Option 4 ID : 4410095138858
X 1. is lost  X 2. remains constant  X 3. changes only the work done  ✓ 4. changes only the internal energy  Question ID: 4410091236975  Option 1 ID: 4410094881458  Option 2 ID: 4410094881459  Option 3 ID: 4410094881457		
X 1. is lost  X 2. remains constant  X 3. changes only the work done  ✓ 4. changes only the internal energy  Question ID: 4410091236975  Option 1 ID: 4410094881458  Option 2 ID: 4410094881459  Option 3 ID: 4410094881457	When heat is supplied to a system and no work is	done (W = 0), the heat added:
	X 1. is lost	
X 2. remains constant         X 3. changes only the work done         ✓ 4. changes only the internal energy         Question ID : 4410091236975         Option 1 ID : 4410094881458         Option 2 ID : 4410094881459         Option 3 ID : 4410094881457		
	X 2 remains constant	
Question ID :       4410091236975         Option 1 ID :       4410094881458         Option 2 ID :       4410094881459         Option 3 ID :       4410094881457		
Question ID : 4410091236975 Option 1 ID : 4410094881458 Option 2 ID : 4410094881459 Option 3 ID : 4410094881457	* * * * * * * * * * * * * * * * * * * *	
Option 1 ID : 4410094881458  Option 2 ID : 4410094881459  Option 3 ID : 4410094881457	Granges only the internal energy	
Option 1 ID : 4410094881458  Option 2 ID : 4410094881459  Option 3 ID : 4410094881457		Question ID : 4410091236975
Option 2 ID : 4410094881459 Option 3 ID : 4410094881457		
Option 3 ID : 4410094881457		·
Option 4 ID : 4410094881456		·
		Option 4 ID : 4410094881456

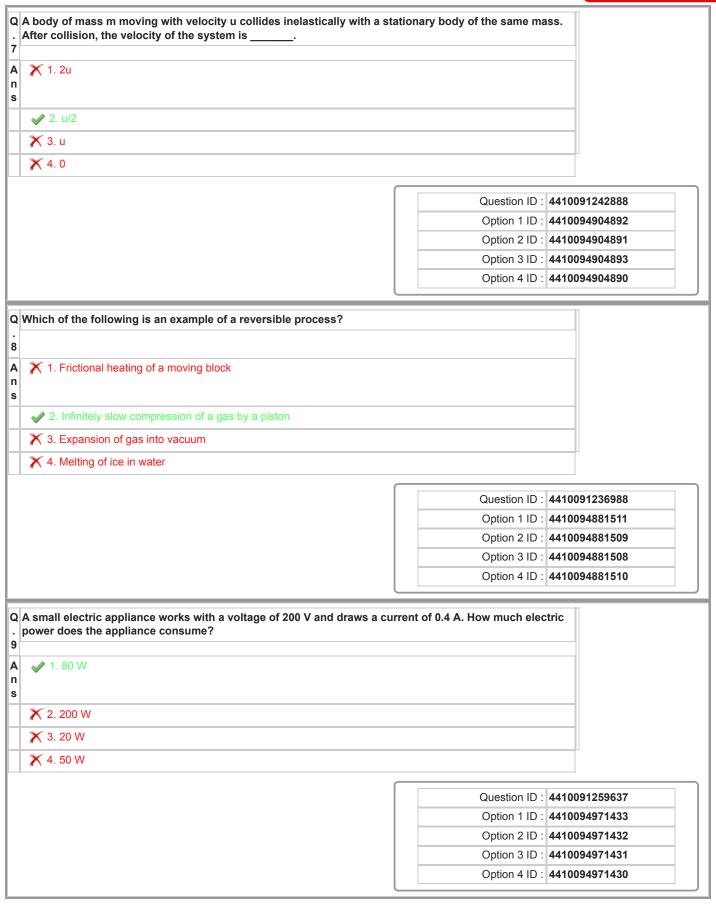




	wo objects with masses 2 kg and 6 kg move in the same direction along a straight line with speeds of 6 m/s and 3 m/s, respectively. If they collide and stick together, what is their common velocity after the perfectly inelastic collision?
	<b>★</b> 1. 4.05 m/s
1	<b>★</b> 2. 3.5 m/s
	<b>★</b> 3. 4.25 m/s
	✓ 4. 3.75 m/s
	Question ID : 4410091257170
	Option 1 ID : 4410094961537
	Option 2 ID : 4410094961536
	Option 3 ID : 4410094961538
	Option 4 ID : 4410094961535
į	The validities away is when he
!	he relative error is given by
5	
L	★ 1. Measured value × Absolute error
	X 2. Square of absolute error
1	X 4. True value – Measured value
	N II The Value Modeline Value
	Question ID : 4410091236996
	Option 1 ID : 4410094881541
	Option 2 ID : 4410094881543
	Option 3 ID : 4410094881540
	Option 4 ID : 4410094881542
	Which of the following statements is true about conservative forces?
	X 1. Examples include friction and drag.
	A O Detection construction to defend for the
	✓ 2. Potential energy can be defined for it.
4	X 3. Work done is path dependent.
	X 4. Work done in a closed loop is not zero.
	0 11 10 144000404000
	Question ID : 4410091242895
	Option 1 ID : 4410094904921 Option 2 ID : 4410094904919
	Option 2 ID : 4410094904919  Option 3 ID : 4410094904918
	Option 4 ID : 4410094904920
	Option 4 ID . 4410034304320

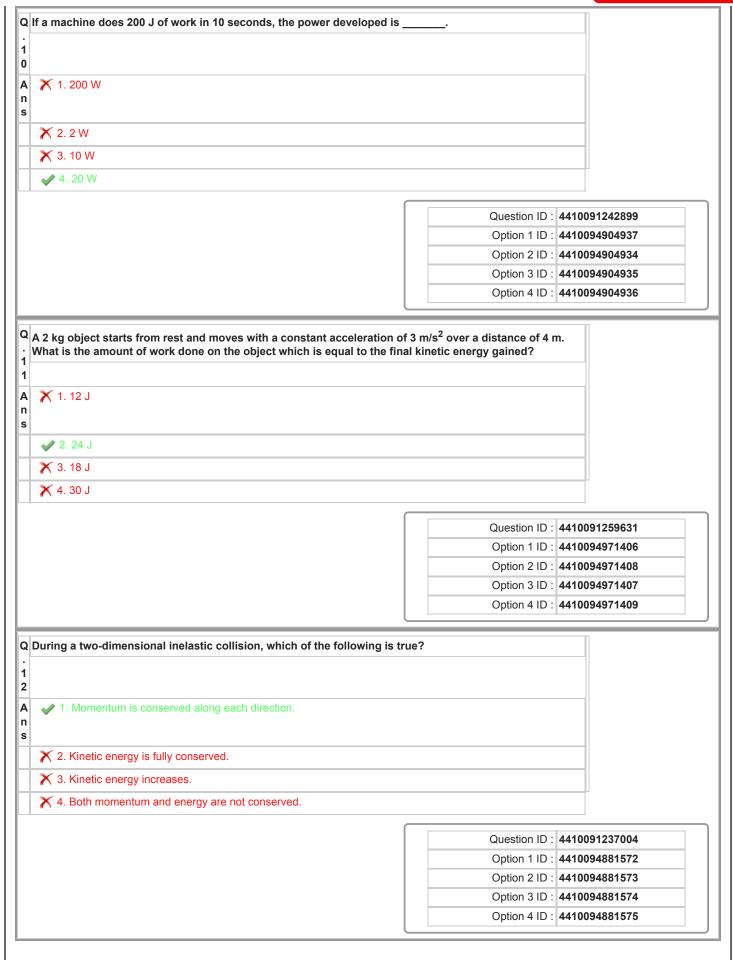












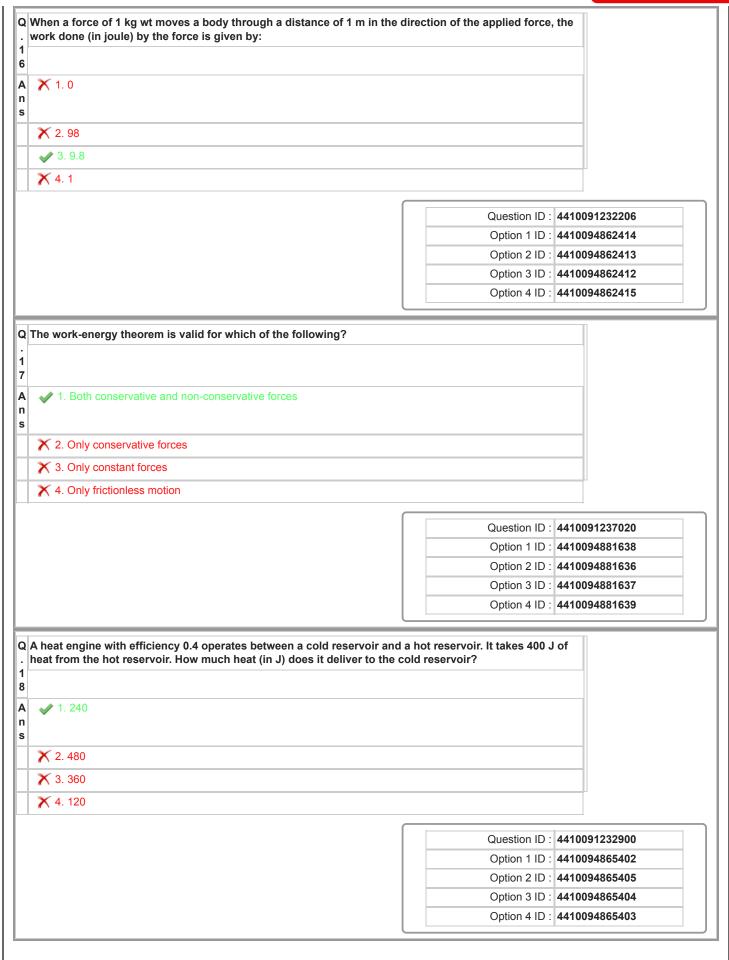




Х 1.0 Ј		
× 2. + 50 J		
× 3. − 100 J		
✓ 4. + 100 J		
▼ + 100 J		
	Question ID :	4410091257140
	Option 1 ID :	4410094961416
	Option 2 ID :	4410094961418
	·	4410094961415
	Option 4 ID :	4410094961417
hich of the following statements is correct about work done?		
✓ 1. Work is scalar but can be positive, negative or zero.		
★ 2. Work is always positive.		
3. Work depends only on force, not displacement.		
★ 4. Work is a vector quantity.		
	Ouestion ID :	4410091242905
		4410094904959
	Option 2 ID :	TT 1000 TO 0 TO 0 TO 0 TO 0 TO 0 TO 0 TO
	Option 2 ID : Option 3 ID :	4410094904961
	Option 3 ID :	
certain polyatomic gas molecule has 3 translational and 2 rotatio	Option 3 ID : Option 4 ID :	4410094904961 4410094904958
certain polyatomic gas molecule has 3 translational and 2 rotatio quipartition of energy principle, what is its molar specific heat at $\frac{3}{2}R$ $ \times 2.2R$ $ \times 3.\frac{5}{2}R$	Option 3 ID : Option 4 ID :	4410094904961 4410094904958
quipartition of energy principle, what is its molar specific heat at $\frac{3}{2}R$ × 2. $\frac{3}{2}R$ • 3. $\frac{5}{2}R$	Option 3 ID : Option 4 ID :  nal degrees of freedom. Based or constant volume (C <sub>V</sub> )?	4410094904961 4410094904958
quipartition of energy principle, what is its molar specific heat at $\frac{3}{2}R$ × 2. $\frac{3}{2}R$ • 3. $\frac{5}{2}R$	Option 3 ID : Option 4 ID :  nal degrees of freedom. Based or constant volume (C <sub>V</sub> )?	4410094904961 4410094904958 the
quipartition of energy principle, what is its molar specific heat at $\frac{3}{2}R$ × 2. $\frac{3}{2}R$ • 3. $\frac{5}{2}R$	Option 3 ID : Option 4 ID :  Inal degrees of freedom. Based or constant volume (C <sub>V</sub> )?  Question ID : Option 1 ID :	4410094904961  4410094904958  the  4410091257135  4410094961397
quipartition of energy principle, what is its molar specific heat at $\frac{3}{2}R$ × 2. $\frac{3}{2}R$ • 3. $\frac{5}{2}R$	Option 3 ID : Option 4 ID :  Inal degrees of freedom. Based or constant volume (C <sub>V</sub> )?  Question ID : Option 1 ID : Option 2 ID :	4410094904961 4410094904958  the  4410091257135 4410094961397 4410094961396
quipartition of energy principle, what is its molar specific heat at $\frac{3}{2}R$ $\times 2.2R$	Question ID: Option 3 ID: Option 4 ID:  Question ID: Option 1 ID: Option 2 ID: Option 3 ID:	4410094904961  4410094904958  the  4410091257135  4410094961397

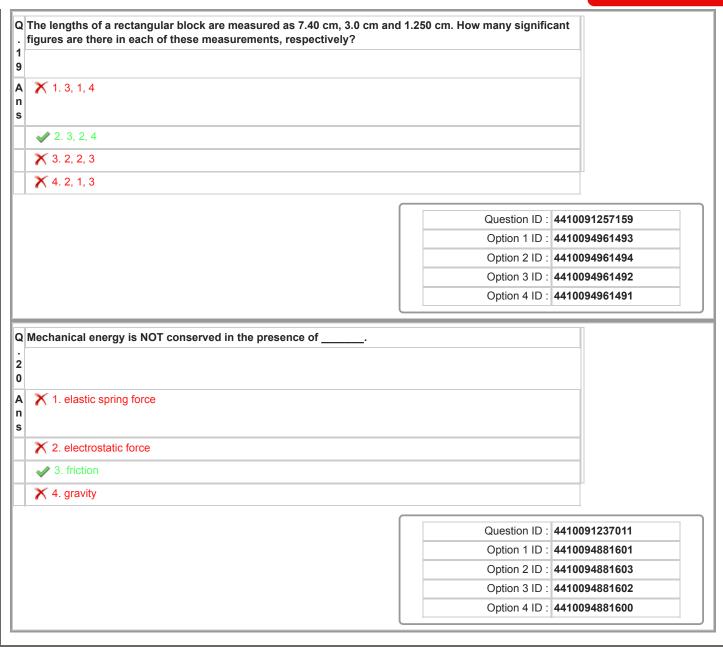
















hich of the following best explains how gender is understood	d in social sciences?
★ 1. Gender is fixed and universal across time and society.	
2. Gender is a medical concept defined by physical characteri	stics.
3. Gender norms vary and cause discrimination.	
4. Gender is purely determined by biological differences between	een males and females.
	Question ID : 4410091135419
	Option 1 ID : 4410094476952
	Option 2 ID : 4410094476950
	Option 3 ID : 4410094476951
	Option 4 ID : 4410094476949
★ 1. Problem-solving, logical reasoning, and deductive thinking	
★ 2. Narrating, appreciating, and creating	
★ 3. Experimentation, intuition, and empiricism	
✓ 4. Observation, social inquiry, and historical discovery	
1. Observation, decid inquiry, and moterical discovery	
	Question ID : 4410091135322
	Option 1 ID : 4410094476558
	Option 2 ID : 4410094476560
	Option 3 ID : 4410094476557
	Option 4 ID : 4410094476559
hich of the following best distinguishes role-play from simul  1. Both involve acting, but simulation excludes real-world cont	
. 2. Simulation is rule based, role play allows emotional express	naion.
<ul> <li>2. Simulation is rule-based, role-play allows emotional expres</li> <li>3. Role-play is scripted; simulation is improvised.</li> </ul>	SIOII.
<ul> <li>✓ 4. Role-play includes cognitive tasks; simulation does not.</li> </ul>	
7. Tole-play includes cognitive tasks, simulation does flot.	
	Question ID : 4410091135755
	Option 1 ID : 4410094478287
	Option 1 ID : 4410094478287  Option 2 ID : 4410094478286





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Q Which o	f the following are diagnostic assessments used for?		
8			
A	dentifying difficulties		
<b>X</b> 2. S	Selecting toppers		
<b>X</b> 3. S	Scoring rubrics		
<b>★</b> 4. F	inal grades		
		Question ID :	4410091138594
		Option 1 ID :	4410094489411
		Option 2 ID :	4410094489413
			4410094489412
		Option 4 ID :	4410094489410
Which o	f the following is NOT a characteristic of content analysis?		
. 9			
	Subjectivity		
n VII.S	σωροσινιτή		
s			
<b>X</b> 2. 0	Generality		
<b>X</b> 3. S	Systematic		
<b>X</b> 4. C	Dbjectivity		
		Question ID :	4410091141079
		Option 1 ID :	4410094499278
		Option 2 ID :	4410094499280
		Option 3 ID :	4410094499279
		Option 4 ID :	4410094499277
Q Constru	cting knowledge through dialogue is emphasised in which of	the following?	
	cting knowledge through dialogue is emphasised in which of	the following?	
Q Constru 1	cting knowledge through dialogue is emphasised in which of	the following?	
1 0		the following?	
1 0 A n	cting knowledge through dialogue is emphasised in which of	the following?	
1 1 0 A n s	ixed curriculum delivery	the following?	
1 0 A X 1. F	Fixed curriculum delivery  Behaviourist models	the following?	
1 0 A X 1. F	ixed curriculum delivery	the following?	
100 A X 1. F s X 2. E	Fixed curriculum delivery  Behaviourist models	the following?	
1 0 A X 1. F S X 2. E X 3. C	Exercised curriculum delivery  Behaviourist models  Cognitive load theory		
1 0 A X 1. F S X 2. E X 3. C	Exercised curriculum delivery  Behaviourist models  Cognitive load theory	Question ID :	4410091136958
100 A X 1. F s X 2. E	Exercised curriculum delivery  Behaviourist models  Cognitive load theory	Question ID : Option 1 ID :	4410091136958 4410094483041
100 A X 1. F s X 2. E	Exercised curriculum delivery  Behaviourist models  Cognitive load theory	Question ID : Option 1 ID : Option 2 ID :	4410091136958 4410094483041 4410094483038
100 A X 1. F s X 2. E	Exercised curriculum delivery  Behaviourist models  Cognitive load theory	Question ID : Option 1 ID : Option 2 ID : Option 3 ID :	4410091136958 4410094483041





Q Which of the following best describes fluid intelligence?	
1	
1	
A 1. Ability to recall factual knowledge	
n   s	
✓ 2. Capacity to reason and solve novel problems	
★ 3. Memory for autobiographical events	
X 4. Accumulated cultural knowledge	
	Question ID : 4410091142220
	Option 1 ID : 4410094503836
	Option 2 ID : 4410094503837
	Option 3 ID : 4410094503838
	Option 4 ID : 4410094503839
Q The grants and allocations to a school are which type of resource	.?
	-
1 2	
A 1. Financial resource	
n ·	
S O Dhuriad resource	
X 2. Physical resource	
X 3. Human resource	
X 4. Material resource	
	Question ID : 4410091141142
	Option 1 ID : 4410094499513
	Option 2 ID : <b>4410094499514</b>
	Option 3 ID : 4410094499512
	Option 4 ID : 4410094499515
Q What is the ability of multilingual people to select words from eith	er of their languages during the course
. of uttering a sentence called?	
3	
A 1. Code switching	
s	
X 2. Translation	
★ 3. Bilingualism	
→ 4. Code-mixing	<u> </u>
	Question ID : 4410091139073
	Option 1 ID : 4410094491259
	Option 3 ID : 4410094491262
	Option 4 ID : 4440004404000
	Option 4 ID : 4410094491260





Q	Which of the following is the most appropriate purpose of dramatisation in	the classroom?	
1			
4			
A n s	★ 1. Memorisation of historical facts		
	★ 2. Entertainment for children		
	X 3. Passive observation of concepts		
			4410091135758
			4410094478297
			4410094478298
		·	4410094478300
		Option 4 ID :	4410094478299
_			
Q	Which Act recognises multiple categories of disability relevant to CWSN?		
1			
5			
A n	× 1. PWD Act, 1995		
s			
7	<b>X</b> 2. RTE, 2009		
T	X 3. Inclusive Education Act, 2010		
7	✓ 4. RPWD Act, 2016		
_			
		Question ID :	4410091141996
		Option 1 ID :	4410094502955
		Option 2 ID :	4410094502953
		Option 3 ID :	4410094502952
		Option 4 ID :	4410094502954
_			
Q	The subject-centred approach is primarily concerned with which of the following	owing?	
1			
6			
A	★ 1. Skill acquisition		
n s			
1	X 2. Social development		
7	X 3. Life experiences		
+	✓ 4. Discipline mastery		
		Question ID :	4410091138489
		Option 1 ID :	4410094489002
			4410094489004
		Option 3 ID :	4410094489005
		O-ti 4 ID -	
		Option 4 ID :	4410094489003





Q What is the simplest kind of learning called?	
1	
7	
A 1. Verbal learning n s	
× 2. Observational learning	
★ 3. Skill learning	
	Question ID : 4410091039210
	Option 1 ID : 4410094106969
	Option 2 ID : 4410094106966
	Option 3 ID : 4410094106967
	Option 4 ID : 4410094106968
Q Which theory states that learning is influenced by internal moti	ivation and solf-actualisation?
	IVALION AND SEN-ACTUANSARION!
1 8	
A  1. Humanism	
n i. numanism	
S	
X 2. Cognitivism	
X 3. Behaviourism	
★ 4. Social learning	
	Question ID : 4410091136854
	Option 1 ID : 4410094482624
	Option 2 ID : <b>4410094482623</b> Option 3 ID : <b>4410094482622</b>
	Option 4 ID : 4410094482625
	орион на
Q The National Trust Act, 1999, focuses on the care and welfare o	of persons with which types of disabilities?
	3
1 9	
A X 1. Orthopedic disabilities only	
n	
S A vitigary correlated malest grounded tradegraphics, and grouting disc	skiller o
✓ 2. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 2. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 3. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 3. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 3. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 3. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 3. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental retardation, and multiple disa  ✓ 4. Autism, cerebral palsy, mental palsy, mental retardation, and mental retardation, and mental palsy, mental palsy, mental palsy, men	adilities
X 3. Learning disabilities	
★ 4. Visual and hearing impairments	
	Question ID : 4410091041100
	Option 1 ID : 4410091041104
	Option 2 ID : 4410094113483
	Option 3 ID : 4410094113485
	Option 4 ID : <b>4410094113482</b>





ľ	What does the term gender socialisation refer to?		
)			
1	X 1. The biological development of a person's identity		
5			
1	X 2. The process of teaching children scientific facts about gender		
7			
T	× 4. The conception of house and side in physical advection		
	X 4. The separation of boys and girls in physical education		
	4. The separation of boys and girls in physical education	Question ID :	4410091039375
	4. The separation of boys and girls in physical education		4410091039375 4410094107623
	4. The separation of boys and girls in physical education	Option 1 ID :	
	4. The separation of boys and girls in physical education	Option 1 ID : Option 2 ID :	4410094107623