

Edit Mode is: • ON

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Physics I Lab (CRN 2803) Tests, Surveys, and Pools Tests Test Canvas : Final Exam - Requires Respondus LockDown Browser

This Test has 14 attempts. For information on editing questions, click **More Help** below.

Test Canvas: Final Exam - Requires Respondus LockDown Browser

Question Settings

You can edit, delete, or change the point values of test questions on this page. If necessary, test attempts will be regraded after you submit your changes.

Descrip	tion					
Instruct	ions					
Total Qu	uestions	35				
Total Po	oints	35				
Number	r of Attempts	14				
Active Goals						
Actions	ID	Goal	Goal Set Name	Category		
Actions	ID AET-SLO10	Goal Apply pertinent knowledge in identifying and solving aircraft engineering technology problems	Goal Set Name	Category SLOs		
Actions	ID AET-SLO10 AET-SLO1	Goal Apply pertinent knowledge in identifying and solving aircraft engineering technology problems Apply mathematics, science, and applied sciences to aircraft engineering technology	Goal Set Name AET AET	Category SLOs SLOs		
Actions	IDAET-SL010AET-SL01AET-SL03	Goal Apply pertinent knowledge in identifying and solving aircraft engineering technology problems Apply mathematics, science, and applied sciences to aircraft engineering technology Work effectively on multi-disciplinary and diverse teams	Goal Set Name AET AET AET AET	Category SLOs SLOs SLOs		
Actions	ID AET-SLO10 AET-SLO3 AET-SLO5	Goal Apply pertinent knowledge in identifying and solving aircraft engineering technology problems Apply mathematics, science, and applied sciences to aircraft engineering technology Work effectively on multi-disciplinary and diverse teams Communicate effectively, using both written and oral communication skills	Goal Set NameAETAETAETAETAET	CategorySLOsSLOsSLOsSLOs		

Actions	ID	Goa	I		Goal Set Name	Category
0	AET-SL	_O8 Use	the techniques, skills, and moder	n technology necessary for professional practice	AET	SLOs
Sele	ect: <u>All</u>	None Select	by Type: - Question Type - Points Update and	▼ Regrade Hide Question Details		
1	- 19. 🧔	a Question	n Set		Points p	per question: 1
	Total	Questions:	20			Total Points: 19
	Numb	per of Questions.	ons 19			
	Q	uestions in t	he Set			
		Question Dis	splay 📎			
			QUESTION TYPE	QUESTION TEXT	ALIGNMENT COUNT	
		Details: 🔲	Multiple Choice	Question Text: Calculate the Kinetic Energy of a body of mass 20kg which is moving wi	Alignment Count: 0	
		Details: 🔲	Multiple Choice	Question Text: What will happen to acceleration if the mass of an object is increased	Alignment Count: 0	
		Details: 🕞	Multiple Choice	Question Text: Find the Time Period of the Pendulum whose length is 1m.	Alignment Count: 0	
		Details:	Multiple Choice	Question Text: Angular Velocity is	Alignment Count: 0	
		Details: 🔲	Multiple Choice	Question Text: Amplitude is thedisplacement from the mean position.	Alignment Count: 0	

	QUESTION TYPE	QUESTION TEXT	ALIGNMENT COUNT
Details: 🔲	Multiple Choice	Question Text: A toy car is given an initial velocity of 5 m/s and experiences a	Alignment Count: 0
Details: 🔲	Multiple Choice	Question Text: An example of rotatory motion is ·	Alignment Count: 0
Details: 🔲	Multiple Choice	Question Text: 1 rev= radian	Alignment Count: 0
Details: 🔲	Multiple Choice	Question Text: If a body starts from rest and reaches 84 m/s in 3 seconds. Calculate	Alignment Count: 0
Details: 🔲	Multiple Choice	Question Text: cart.gif The image in the pic shows A &	Alignment Count: 0
Details: 🗖	Multiple Choice	Question Text: track.png The image shown in the fig is	Alignment Count: 0
Details: 🔲	Multiple Choice	Question Text: Motion sensor.png The sensor in the figure is	Alignment Count: 0
Details: 🔲	Multiple Choice	Question Text: Rotatory motion sensor.pngFinal Exam images The sensor in the image is	Alignment Count: 0
Details: 🔲	Multiple Choice	Question Text: v vs t.png The Acceleration displayed in the graph is	Alignment Count: 0
Details: 🔲	Multiple Choice	Question Text: The angular acceleration displayed in the figure is	Alignment Count: 0
Details: 🔲	Multiple Choice	Question Text: The image shown in the figure is	Alignment Count: 0
Details: 🔲	Multiple Choice	Question Text: T2 vs L.jpg The unit for slope in this graph is	Alignment Count: 0

	etails: 🔲 Multiple Choice	Question Text: Final Exam imagesw vs t.png V the angular acceleration from 2-3&	What is Alignment Count: 0
	etails: 🔲 Multiple Choice	Question Text: w vs t.png What is the angular at 3 sec ?	velocity Alignment Count: 0
	etails: 🔲 Multiple Choice	Question Text: According to Law of angular m the product of …	omentum Alignment Count: 0
(Question Display 📎		
		Displaying 1 to 20	of 20 items Show All Edit Paging
) - 35. 🔿	Question Set		Points per question
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Question Text: Exp 1B

Alignment Count: 0

Details: 🔲 Multiple Choice

exp 1.jpg Find the acceleration due to gravity using the below formula .



Question Text: Exp 5A Exp 5A.jpg

Two carts collide on a dynamics track. The graph shows how their momenta p1 and p2 change before and after collision. Find the time when the two carts initially come in contact.







QUESTION TEXT









Question Text: Exp 4A Exp 4A.jpg A cart is accelerated along a track. Sensors recorded the accelerating force acting on it, its position and velocity. The graphs show the variation of force vs. position and the variation of both velocity and position with time. Fatima attempts to relate the work done by the force to the variation in the kinetic energy of the cart. Is Fatima taking all her readings between the same two points on both graphs? Explain. Details: 💭 Multiple Choice Run #3 0.5 0.0 0.216 ŝ Force Area: -0.0600 N · m -0.2 4 -0.2 4 -0.2 - Mean 0.0 0.137 0.1 0.2 0.3 0.4 0.5 1.8 2.0 2.2 2.4 2.6 🔥 Position (m) 0.427 0.137 2.250 (Graph title here) (Graph title here)





	QUESTION TYPE	QUESTION TEXT	ALIGNMENT COUNT
Details:	Multiple Choice	Question Text: Exp 8 B Exp 8 a.jpg Use data provided to calculate the volume of the hanging mass, given that density of the water is $\rho = 998 \frac{kg}{m^3}$ Use the relation $F = \rho g V$, where F is the bouyant force which is 0.23 N,where 'g' is the acceleration due to gravity. Find the volume ' of the V'	Alignment Count: 0
Details:	Multiple Choice	Question Text: EXP 7A Exp 7.png Find the angular acceleration of the disk.	Alignment Count: 0



Select: <u>All None</u> Select by Type:	- Question Type - 🔻	
Delete and Regrade Points	Update and Regrade Hide Question Details	
		←OK