Assignment for SSC Examinees, 2021

Subject: Physics Subject Code: 136

Assignment	Assignment	Learning	Guidelines		Assess	ment Criterio	n /Rubric			Com'ts
Number,		Outcomes	(cues/steps							
Chapter			or stages)							
Number,										
Chapter Title										
2	Speed and its quantities	Students will	Follow the							
	Two engineering university	be able to	text on pages							
Chapter 02:	admission test examinees, Rabbi	analyze the	45-52 of the			Rating	Scale		C	1
Motion	and Sajol, live in two different	inter	textbook.	Indicator		88078			Score	
	houses located on a straight	relationship			4	3	2	1]
	street along the examination	between the		a)Distance			If Students	If Students		
	hall. They have been asked to	quantities					can find	can write the		
	report to the examination hall	related to					out the	equation to		
	gate by 9 am - after which the	motion.					value of	determine		
	gate will be closed. The house						distance	the distance		
	of Rabbi is 200 m more away than that of Sajol's house from						with :			
	the exam hall. Sajol woke up			1-) 37-1			correct unit	TC C414-		
	late in the morning due to			b) Velocity			If Students	If Students		
	overnight Facebooking.						the value of	can write the value of		
	Somehow, after having a hurried						velocity	value of		
	breakfast and a few harsh words						with	velocity		
	from his parents, Sajol came to						explanation			
	the gate of his house and saw			c) Distance,	If students can	If Students	If Students	If Students		ł
	that Rabbi was walking at a			Velocity	properly	can find out	can relate	can write the		
	constant velocity and if he			, elselly	explain whether		velocity	equation of		
	walked at this velocity, he				they, Rabbi &	distance	with	distance		
	would reach the gate just in				Sajol, can enter		distance			
	time. But it is impossible for				the exam hall or	THE STREET SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON A				
	Sajol, in a full stomach, to				not	unit				
	advance more than 10 seconds			d) Graph			If Students	If Students		1
	at the maximum uniform						can show	can draw the		
	acceleration 1 m/sec ² . And for						the	graph		
	the rest of the time he will be						positions of			
	able to run at half of this						total 8			
	maximum velocity. It is now						points on			
	8:58 in the morning. If Sajol						the graph			
	continues in this way, he will be able to enter the exam hall at the						correctly	5670 50 50		
	last moment.							Total		
	ast moment.			Total marks	for this assignmen	t:10				

a) How far is Sajol's house from the examination hall? (2) b) Rabbi decided night before the exam that he would leave the house at 8:44amand will arrive at the exam hall by 8:55 a.m.Then at what velocityhe has to move forward? (2)			
c)At this velocity, after			
advancing 50 meters crossing			
the gate of Sajol's house,			
suddenly Rabbi's ankle sprained.			
And, after that Rabbi started			
moving at a velocity of one			
fourth of his previous velocity.			
In such circumstances, will			
Sajol pass him over before			
entering the exam hall? (4)			
d)Draw a graph showing the			
road location of Rabbi and Sajol			
between 8:58 am to 9 am. For			
each of them you have to show at least four points (in total 8			
points). (2)			
points). (2)			

Comments
Excellent
Very good
Good
Needs improvement