## Assignment for SSC Examinees, 2021

Subject: Physics Subject Code: 136

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)		Assess	sment Criter	ion /Rubric			Com'ts
Assignment	Simple instrument and its usage	Students	Follow the			7100				ST.
number: 01	You need a thick art paper to prepare a model	The reserve contract the second of the secon	text on	200 200 20		Rating	Scale		Score	
61 4 64	project. On the other hand, the stationary	Control of the Contro	pages 18-	Indicator					50010	
Chapter 01: Physical	store you know is not even opening due to Covid- 19 pandemic. The only stationary	determine the area	27 of the textbook.	) D: :	4	3	2	I I I I I I I I I I I I I I I I I I I		
Quantities and	store that is open now has a bad reputation in	en menon de la fantación de la	lexibook.	a) Dimension				If Students can write the		
Their	the locality for being dishonest. But you are	The control of the co						dimension		
Measurement	somewhat compelled now to buy paper from	A STANDARY STORY OF THE STANDARY STORY		b) S I Units	+	-	If	If Students		
	him. The shopkeeper is claiming that the	The second state of the second		o) 51 cms			Student	can write S I		
	value of the paper which he supplied you is	using					s can	unit		
	$160 \text{ gm/m}^2$ .	simple					change			
	The size of per sheet of modeling paper is	instruments					in Kg			
	65cm X 75cm. You decided that you will			c)		If	If	If Students		
	verify the shopkeeper. The measuring tape			Measurement		Students	Student	can write		
	you have at home cannot measure anything					can show	s can	any number		
	that is less than 2 cm. And also, the digital					logic in favour of	write			
	balance which you have in your house for					the	correct			
	measuring the mass of the cooking					calculatio	number			
	ingredients does not record any mass bellow					n				
	20gm. This means that if you want to			d) Final	If Students	If	If	If Students		
	measure the mass of an 8 grams object			Measurement	can write	Students	Student	can write the		
	accurately, you have to take 5 objects. So				accurate	can write	s can	equation of		
	that their combined mass is 40 grams which				calculation	accurate	calculat	accurate		
	is a multiple of 20 grams. You have no scope				with units	calculatio	e	measuremen		
	to use any other instrument.					<b>n</b>		Total		
	a) What is the dimension of the unit by which			Total marks fo	r this assignm	ent·10		Total		
	the value of the paper is being measured? (1)			Total marks 10	i tina assignin	сис. 10				
	b) What will be its unit if it is measured in									
	Kilogram? (2)									
	c) What is the least number of papers you									
	need to buy to be sure about this matter?									
	need to day to be sure about this matter.									

- 1	Give logic in favour of your calculation. (3)			
	d) If the value of each paper written on the			
	packet as (120±0.5) gm/m <sup>2</sup> , it means that the			
	value is actually in between 119.5 to120.5			
	units. Here the final error is 0.5 units.			
	Determine the accuracy of your measured			
	value? (4)			
	No constitution of the control of th			

Marks Obtained	Comments		
09-10	Excellent		
07-08	Very good		
05-06	Good		
0-04	Needs improvement		