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	PART B Answer all the questions on this paper itself.
01. A tail pillov	for used $\frac{2}{5}$ of a fabric roll to sew table cloths and $\frac{3}{4}$ of the remaining were used to sew v covers.
i. W	hat fraction of the whole fabric roll were remained after sewing the table clothes?
ii. W	hat fraction of the whole fabric roll were used for pillow covers?
iii. Af 9n	Ter sewing the table clothes and the pillow covers, the length of the remaining fabric is n. Find the total length of the whole fabric roll.
iv. If a co abo	3m of cloth is needed to sew a table cloth and ¹ /2m of cloth is needed to sew a pillow ver, find the number of table cloths and the number of pillow covers made using the ove mentioned fabric roll.
02. Giver shape i.	n combined figure is made using a rectangular ed portion and a sector. Find the area of the BDC sector. $E \qquad D \qquad 14 \text{ cm} \qquad 14 \text{ cm} \qquad B \qquad 14 \text{ cm} \qquad C$
ii.	If the area of ABDE portion is twice the area of the BCD sector, find the AB length.
iii.	Find the DC arc length.
iv.	Find the perimeter of the whole figure.
v.	A right angle triangular portion which is equal to the area of the sector, is needed to fix

v. A right angle triangular portion which is equal to the area of the sector, is needed to fix along the produced BA and taking AE as a side. Find the lengths of the two sides of the triangle, in which the right angle is included and sketch it in the above given figure.

03. Food sufficient for 20 hens for 30 days are stored in a farm.

i. For how many days does this food be sufficient for one hen?

ii. After 18 days another 10 hens were taken to the farm. Now for how many days does this food be sufficient for all the hens in the farm?

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- iii. After taking 10 hens to the farm, 4 days later 6 hens has passed away. Now for how many days does this food be sufficient for the hens in the farm?
- iv. Finally for how many days does the food stored in the farm be sufficient?
- 04. The given pie chart represents the information gathered from an agricultural organization, regarding 300 farmers.

If the number of farmers who grow coconut is four

times the number of farmers who grow cinnamon, how

i. How many farmers grow rubber?

many farmers grow coconut?

ii.

- Rubber Tea ^{30°}Cinnamon Coconut
- iii. What is the angle of the sector which represents the farmers who grow tea?
- iv. If $\frac{1}{3}$ of the farmers who grow rubber decided to remove rubber and cultivate cinnamon, what is the angle of the sector which represents the farmers who grow cinnamon now?

05. If	If $\varepsilon = \{ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 \}$					
	$A = \{ 2, 4, 6, 7 \}$					
	$B = \{ 1, 4, 7, 9, 10 \}$					
	write the following sets by listing its elements.					
	i.	$A \cap B$				
	ii.	$A \cup B$				
		۸/				
	111.	A				
		,				
	iv.	\mathbf{B}'				
	v.	Represent the above information in a Venn diagram.				