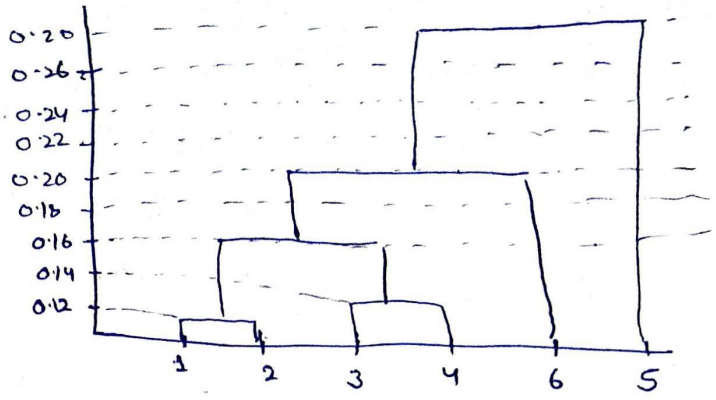
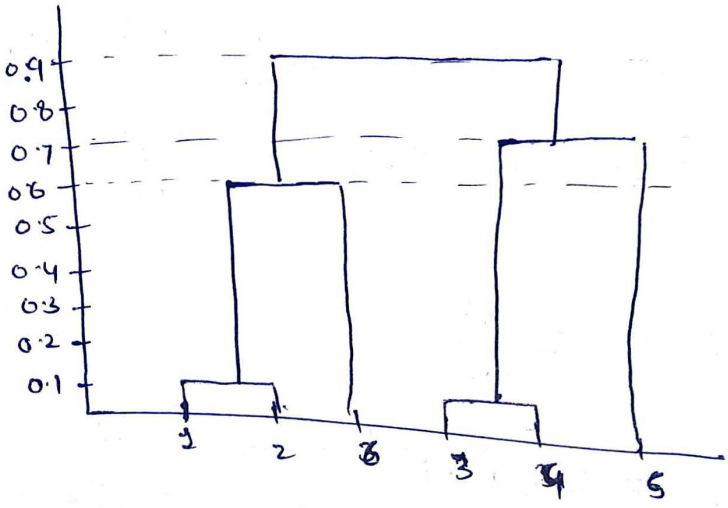
Ans 1 (a)



1 (b)



1(c)

Sh hierarchical, we want that $x_1 x_2$ & $x_3 x_4$ mer
before $x_1 x_2$ & x_6 ∴ $x_1 x_2$ $x_3 x_4 < x_1 x_2$ 6
i.e. $x_1 x_2$, $x_3 x_4$ ie x_4, $x_1 x_2$ ie $x_4 x_1$

should be

$$0.51 \leq x_4 x_1 \leq 0.61$$

ie $x_4 x_1 \to 0.59$

	$x_1 x_2$	$x_3 x_4$	x_3	x_6
$x_1 x_2$	0			
$x_3 x_4$	0·59	0		
x_5	0·77	0·70	0	
x_6	0·61	0·93	0·67	0

	$x_1 x_2 x_3 x_4$
$x_1 x_2 x_3 x_4$	0
x_5	0·77
x_6	0·97

x_5, x_6 ~~will~~ want to merge but for both to be same we
$x_1 x_2 x_3 x_4$, x_6 to be lower than 0·67 i.e.

$$0.5 < x_3, x_6 < 0.67$$

∴ $x_3, x_6 \to 0.61$