	Soud Compily 9 Date:	
	18EE35014	
	Pratzed Tasswal	
	Trace for Societies	
Q1	(A)	
	At the nost of the modes are present in a	
	Stryle connected component, and in A,	
	should be & very les and that is I in A.	
e character and a character an	Mro, En other oftins, for size greaters  thom Ictor, there are multiple components which shouldn't be so as there is only  one component with me 99-9% nodes.	
	from 10+06; There are nultiple components	Carried In
	when shouldn't be so as there is only	-
	of component from the state .	
020	(e),	
-	Since the network entities low reciprocity	
	among user, we cannot comment about	
	Segres of separation, or. for en-for youther,	
	reapprovery is his, but degree of separathy	
	is bight low but for Twitter, degree of sep.	
	is voya.	
		•
not be a second of the second		
The same of the same		The second secon

		Date:/
	03-	for C,
No.	1	4 = 6
		Number of neighborry pairs = 4, = 6
1-50		Number connected pairs = 2
The State of the S		Number connected pairs = 2 (c-D, D-H)
		So, dustring wift of $C = \frac{2}{6} = \frac{1}{3}$ .
		0 2
		for D. No. of righton pains 2 42 = 6.
	· >3	
		No. of connected pairs = 3.
		So, clustering wef of $D = \frac{3}{6} = \frac{1}{2}$
		or, austoring so fi
-	Q4.	# U
	1	m (5)
and delication		
•		(3) C-1
		6
		Uneverythed projection network.
		Vnewerymen grojector regions.
1	05.	$(1) \rightarrow (a), (b)$
-	1	
		$(2) \rightarrow (1), (9)$
-		
4		

I will pick pode (7) as it has maximum digner. Et, it 35 It is a connected isthe almost every nocles t reighbours. Almost in 2 steps, the musinge can be reach every mode. The degree of every mode in a complete Also, forst the fitter estation finally, And from the definition of assortativity, & high degree of nodes, assortativity degree = 1.