During a study of Residence time distribution in a Packed Bed Reactor following data has been obtained by operating an experimental set up -

Time(min)	Abs @ 20 LPH	
0.25	0.013	
0.50	0.012	
0.75	0.008	
1.00	0.009	
1.25	0.001	
1.50	0.001	
1.75	0.012	
2.00	0.006	
2.25	0.008	
2.50	0.008	0
2.75	0.007	
3.00	0.018	
3.25	0.033 .	
3.50	0.069 .	
3.75	0.105 .	
4.00	0.143	
4.25	0.177 :	
4.50	0.192	
4.75	0.186	
5.00	0.178	2
5.25	0.146 ·	
5.50	0.119	
5.75	0.101 .	
6.00	0.084	
6.25	0.066 ·	
6.50	0.058 .	
6.75	0.047	
7.00	0.039	
7.25	0.018	
7.50	0.016	-30
	0.016 -	
7.75	0.016	
8.00		1
8.25	0.016	
8.50	0.016	1

8.75	0.017	
9,00	0.019	
9.25	0.01	
9.50	0.01	
9.75	0.01	
10.00	0.01	74

- > Construct C curve for pulse input
- Plot age-distribution curve (E vs t)
- Calculate average residence time
- > Calculate the vessel dispersion number (D/uL)
- Write theory involved and discussion on the obtained result.