

QUESTIONS

1. The following data relate to the life(in hours) of 15 samples of 6 electric bulbs each, drawn at intervals of one hour from a production process. Draw the \bar{x} and R charts and comment.

Sample No.	Life-time (in hours)					
1	620	687	666	769	839	686
2	501	585	524	585	655	668
3	673	701	636	567	622	660
4	646	626	572	628	632	743
5	494	984	659	643	660	640
6	634	755	625	582	685	555
7	619	710	664	693	773	534
8	631	723	614	535	551	570
9	482	791	533	612	497	499
10	706	524	626	503	662	754
11	530	432	379	690	724	536
12	485	497	608	393	648	729
13	585	535	762	588	625	737
14	462	490	635	587	554	673
15	722	608	665	587	531	705