Question 01

The data set shown below the number of passengers flown by top five Airlines. **Construct Bar Chart, Line Chart and Pie Chart to depict the following information**.

Airlines	Delta	United	American	US Airways	Southwest
Passengers	103,133	84,203	81,083	58,659	55,946

Year	Sales	Gross profit (Rs)	Net profit (Rs)
1974	100	30	10
1975	120	40	15
1976	140	45	35
1977	160	70	35
1978	170	75	40

Question 02

Calculate **Mean, Median, Mode, Quartiles, Inter Quartile Range (IQR)**

i.   36, 48, 90, 67, 81, 41, 28, 34, 90, 77, 90
ii. 6, 7, 2, 5, 6, 0, 3, 6, 7, 4, 5, 4, 5, 7, 7

Question 03

i.   Estimate the following for the below grouped frequency distribution table
ii. Measures the mean, Var, Std, CV for the following data.

Class	1.2 - 1.6	1.6 - 2.0	2.0 - 2.4	2.4 - 2.8	2.8 - 3.2
Frequency	220	150	90	110	280

Class	1.2 - 1.6	1.6 – 2.0	2.0 - 2.4	2.4 - 2.8	2.8 - 3.2	3.2 – 3.6	3.6 – 4
Frequency	3	7	40	50	30	15	5

Question 04

Calculate the correlation coefficient of the following data set and find the linear regression model

i.   (1,30), (2,45), (3,51), (4,57), (5,60), (6,65), (7,70), (8,71)
ii. (100,75), (120,90), (140,115), (160,140), (170,155)