ASSIGNMENT - 2

Chapter 2: System of Limits, Fits, Tolerance and Gauging:

1) State what is maximum and minimum material limits according to Taylor's principle.
2) Define Basic size, Tolerance and Deviation.
3) Explain with the help of neat sketch the terminology used in relation with the tolerances.
4) What is fit? Explain various types of fit with neat sketches.
5) Explain with neat sketches hole basis and shaft basis system of fits.
6) What is Limit Gauge? Why they are necessary? Give types of Limit Gauges.
7) Write short note on Plug Gauge, Ring Gauge and Snap Gauge.

Comparators:

8) Give classification of comparators and explain Dial indicator with sketch.
9) Classify the Comparators and explain Sigma Comparators with neat sketch.
10) Explain pneumatic comparator and state the advantages and disadvantages
11) With neat sketch explain working of Johansson Mikrocator.
12) List out various characteristics of good comparators
13) Explain the construction and working of LVDT with its advantage and disadvantages.