

(2)

4. With the help of a neat sketch explain the sequence of operations of weft supply system on water jet loom. 18
5. a) Explain with a neat sketch the Draper Rapier weft insertion system. 9
b) Explain the principle of weft measuring and weft tensioning on a Maxbo air jet loom. 9
6. a) Explain the principle of beating-up and selvedge formation on a Maxbo air jet loom. 9
b) With a neat sketch explain the principle of selvedge formation on a draper rapier loom. 9
7. a) With neat sketches explain the operating principle and the rapier drive mechanism of Dornier Rigid rapier weaving machine. 9
b) Give a detailed comparison between conventional loom and shuttleless weaving machine giving arguments for both favour and against. 9
8. Write short notes on any three of the following :
6 each
 - a) Multiphase weaving.
 - b) Staubli dobby.
 - c) Problems of hydraulic weft insertion system.
 - d) Confuser and profiled read.
 - e) Shedding on Maxbo air jet loom.

