TXL222 Yarn Manufacture II: Major (Part-II)

Total Marks in Part-II: 10

$3 \times 2 + 2 \times 2 = 10$

1. a. Describe, with suitable schematic diagrams, the building motion of a ring frame with reference to the following points,

   i)   Shape of the bobbin, i.e. curved bottom, cylindrical body and conical tip.
   ii) Gradual upward shift of ring rail after each double traverse.
   iii) Difference in speeds of ring rail during upward and downward directions.

   b. How do you change the following parameters during building of ring bobbin?

   i)   Traverse length; and
   ii) Rate of upward shift of ring rail after each double traverse

   – Give logical justifications for each point with reference to the above diagram(s).