Instructions: 1. Attempt six questions out of which Q.1 is compulsory
2. Answer each main question on new page
3. Figures to the right indicates full marks
4. Illustrate your answers with sketches and flow-charts wherever necessary.
5. Use of non programmable electronic calculator permissible
6. Mobile and any other communication devices are not allowed in exam hall
7. Assume suitable data wherever necessary.

Q. 1. Attempt any Five 20 marks

a. State the properties of Rib structure
b. Differentiate interlock and purl structure.
c. Differentiate between latch needle and beard needle and state their advantages and disadvantages.
d. Explain the term shogging and swinging with the help of neat diagram.
e. Differentiate between woven and knitted fabric.
f. Explain Atlas lap with the help of neat diagram
g. Explain open and close loop with the help of neat diagram.

Q. No. 2 16 marks

a. Differentiate between warp knitting and weft knitting.
b. Explain the functions of Needle bar, Guide bar, Presser bar and Tension rail

Q. NO. 3. 16 marks

a. Explain chain links in tricot knitting machine.
b. Explain knitting cam with the help of neat sketch.

Q. No. 4 16 marks

a. Draw neat labeled diagram of socks and explain its characteristics features
b. Classify flat knitting machine and explain different knitting elements on flat knitting machine.

Q. No. 5 16 marks

a. Explain knitting cycle of latch needle on weft knitting machine.
Q. No. 6.  

a. Explain lapping movement of Tulle and Morquisette structures.  
b. Explain knitting cam with the help of neat sketch.  

16 marks

Q. No. 7.  

a. What are different types of positive feed mechanisms uses on weft knitting machine and state their advantages.  
b. Explain knitting cycle of latch needle on weft knitting machine.  

16 marks

Q. No. 8.  

a. Differentiate between linear and non linear cam.  
b. Describe queen’s cord and double atlas structure with notation.  

16 marks