THE TEXTILE ASSOCIATION (INDIA)
A T A PART - III EXAMINATION - 2018
PAPER – A 3 .OD
KNITTING TECHNOLOGY
Date: 24.12.2018 Marks: 100 Time: 10.00 am to 01.00 pm

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

a. State the properties of Interlock structure
b. Differentiate Rib and purl structure.
c. Differentiate Technical face and Technical back.
e. Explain Miss loop and Tuck loop structure with the help of neat sketch.
f. Differentiate over lap and under lap movement with the help of neat sketch.

Q. 2

a. Differentiate between Woven and Knitted Fabric.
b. Explain knitting cycle of latch needle on weft knitting machine.

Q. 3.

a. Explain knitting cycle of beard needle on warp knitting machine.
b. Differentiate between single jersey and interlock structure with the help of neat sketch.

Q. 4

a. Explain knitting cam with the help of neat sketch.
b. Describe yarn preparatory process used for warp knitting.

Q. 5

a. Explain Atlas stitch with the help of neat sketch.
b. Explain different warp knitting elements along with their functions.
Q. 6

a. Explain different weft knitting elements along with their functions.

b. Explain lapping movement of Tulle and Morquisette structures.

Q. 7

a. Explain width wise shaping on weft knitting machine.

b. Explain Garment length machine.

Q. 8

a. What are properties of warp knitting fabric and explain different applications of warp knitting machine.

b. Explain chain links on tricot warp knitting machine with the help of neat sketch.