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B.Sc. (Knitwear Design & Technology) (2018 Batch) (Sem.-2)

TECHNIQUE FOR CIRCULAR KNITTING

Subject Code : BFDK-201-18

M.Code : 75905

Date of Examination : 04-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any one question from each unit and fifth question from any unit
2. Each question carries TWELVE marks each.

UNIT-I

1. Classified the circular weft knitting machines. Explain the yarn feeding devices of any type of machine.
2. Multi-track circular weft knitting machines are more versatile than single-track ones in terms of design. Explain.

UNIT-II

3. Discuss about the single jersey circular knitting machine. Explain in detail.
4. Discuss different principles of interlock circular knitting machines, their mechanism and setting points.

UNIT-III

5. What would be the production in kg/hour of a single jersey weft knitting machine of 30 inch diameter, 24 Gauge, 96 feeders and running at 30 r.p.m., producing basic single jersey fabric of 2.5 mm stitch length using 24s' yarn ? Assume any value of efficiency of your reasonable choice.
6. What do you know about the types of circular sweater strip machines ? What are the production techniques for sweaters?

UNIT-IV

7. What is spirality and how does it appear in knitted fabrics? How this can be reduced?
8. Mention the important quality parameters of yarns used for knitting and elaborate as to how these parameters affect the quality of knitted fabrics and productivity of a knitting machine.

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.