

- xiv) Differentiate between under lap and overlap.  
xv) Why rib fabric has more width wise extensibility than single jersey fabric?

### SECTION-C

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Discuss the knitting cycles of rib knitting machine.  
Q.4 Discuss the structure and properties of rib fabric.  
Q.5 Discuss the structure and properties of purl fabric.  
Q.6 Discuss the structure and properties of interlock fabric.  
Q.7 Discuss the different parts of all needles. Discuss the different parts of tricot knitting machine.

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**5th Sem. / Text Design, Text Tech**

**Subject : Knitting Technology**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

**Note:** Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) What do you understand by purl knitted fabric?  
b) What are the different types of needles?  
c) Which fabric is most extensible fabric length wise?  
d) What is the function of clearing cam?  
e) What is difference of extensibility properties of woven and knitted fabric?  
f) Define warp knitting.  
g) What do you understand by plain knitted fabric?  
h) What is shogging motion?

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- i) What do you understand by ornamentation?
- j) What are common defect in weft knit fabric?
- k) Why purl knitting machine is not available for commercial purpose.
- l) What is fractional cover?
- m) How can you represent 1x1 interlock fabric?
- n) What do you understand by rib knitted fabric?
- o) Define open lap.
- p) What is sewing motion?
- q) What is the function of stitch cam?
- r) Define gauge of warp knitting machine.

### SECTION-B

**Note:** Short answer type questions. Attempt any ten parts 10x4=40

- Q.2 i) Compare extensibility behaviour of knitted and woven fabric.

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- ii) Differentiate between tricot and raschel machine based on its machine parts.
- iii) Draw a figure of beard needles and show its different parts.
- iv) Why two needle bed are required for rib fabric?
- v) What are the advantages of beard needles?
- vi) How float stitch are produces?
- vii) How tuck stitch are produces?
- viii) Why purl fabric has more length wise extensibility than single jersey fabric?
- ix) Draw a figure of beard needles and show its different parts.
- x) Why two types of needles are required for interlock knitting machine.
- xi) Compare stiffness or softness properties of knitted and woven fabric.
- xii) What are basic requirement for interlock fabric?
- xiii) What is the significant of Kw?

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