

3 I	Hours / 100 Marks	Seat No.							
	Instructions: (1) Al	l questions are con	npulso	ry.					
	(2) Ar	nswer each next mo	ain que	stion on	a new p	age.			
	(3) Ill	ustrate your answe	ers with	h neat sk	etches w	herev	er ned	cessar	y.
		gures to the right i		•	irks.				
	(5) As	sume suitable data	, if ne	cessary.					
								I	Marks
1.	Attempt any five:								20
	a) Define and draw the weft	knitting.							
	b) Enlist various ways to produce the fabric.								
	c) Give the classification for weft knitted fabrics.								
) Mark the symbolic notation for								
	i) Single jersey	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
	ii) 1 × 1 Rib fabric.								
e) Define the "loop length" and draw its diagram.									
	,								
	g) Give the loop structure for warp knitting.		Also st	ate signi	ficance	of cha	in not	ation i	in
2.	Attempt any four:								16
	a) Define following terms in	knitting							
	i) Knit stitch	•	ırl stitc	h.					
	b) Enlist various elements under the knitting zone and state their significance.								
	c) Draw the loop diagram for	r							
	i) 2 × 1 Rib fabric		× 1 Pu	rl fabric					
	Give the symbolic notation for following stitches:								
	i) Knit ii) Pu	•			iv) Tuc	k			
	e) State the advantages of "R				,				
	f) Define and draw a "Angle	-							



Marks

3. Attempt any four:

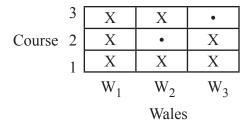
16

- a) Enlist the properties of knit fabrics.
- b) State the functions of
 - i) Needle
 - ii) Sinker in knitting
- c) Give the detailed classification for knitted fabric.
- d) Enlist various methods to represent the knitted fabric on paper and explain any one.
- e) Draw the loop diagram for "Two thread Fleecy fabric".
- f) Define the fabric bow and enlist various types of fabric bows.

4. Attempt any four:

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- a) Discuss various reasons for growth of knitting industry.
- b) Explain the merits and demerits of various types of creels.
- c) Draw the needle arrangement diagram and cam arrangement diagram for 1×1 Rib fabric.
- d) Mark the needle order and cam order for following design.



- e) Explain the procedure to determine the stitch length.
- f) Calculate the G.S.M. of knitted fabric, if knitted fabric having following specification
 - i) C.P.I: 30
 - ii) W.P.I: 24
 - iii) Stitch length: 3 mm
 - iv) Yarn count: 30 Ne.

5. Attempt **any four**:

16

- a) State the functions of
 - i) Cams
 - ii) Fabric spreader
- b) Compare Rib fabric with purl fabric.

- c) Mark diagrammatic notation for,
 - i) La-coste
 - ii) Evermonte
- d) Determine the "tightness factor" if,
 - i) Stitch length: 2.5 mm
 - ii) Yarn count: 40 Ne
- e) Draw the lapping diagram for
 - i) 1 0/1 0//
 - ii) 0 1/0 1//
- f) Give the classification for flat knitting machines.

6. Attempt **any four**:

16

- a) Compare warp knitting with weft knitting.
- b) Compare Tricot machine with Raschel machine.
- c) State the various applications of warp knit fabrics.
- d) Draw the lapping diagram and express the chain notation for,
 - i) Tricot stitch
 - ii) Atlas stitch.
- e) State the objects of cutting department and also enlist the precautions taken in spreading for knitted garments.
- f) Enlist various cares to be taken while stitching of knitted garments.