



Name :

Roll No. :

Invigilator's Signature :

CS / B.TECH / APM / SEM-6 / APM-604 / 2012

2012

KNIT WEAR TECHNOLOGY

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A

(Multiple Choice Type Questions)

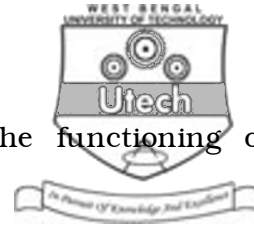
1. Choose the correct alternatives from the following :

10 × 1 = 10

- (i) Gauge of circular knitting machine is defined by
- a) No. of needles in 1 diametrical inch
 - b) No. of needles in 1 circumferential inch
 - c) No. of needles in 2 circumferential inches
 - d) No. of needles in 2 diametrical inches.
- (ii) Use of which type of cam is mandatory to produce any weft knitted design ?
- a) Knit cam
 - b) Tuck cam
 - c) Miss cam
 - d) Stitch control cam.
- (iii) The extensibility of which weft knitted fabric is maximum
- a) Single jersey
 - b) Rib
 - c) Interlock
 - d) Fleece.



- (iv) Barre is a defect of weft knitted fabric which appears due to
- a) Only faults in yarn used
 - b) Only defect in knitting
 - c) Only defect in dyeing
 - d) Faults in yarn used and defect in knitting.
- v) Latch needles are widely used in the weft knitting industry mainly because of
- a) These are cheap
 - b) These are self-acting in nature
 - c) These are simple in construction
 - d) These are more durable.
- vi) Which of the following is a heavy, warm, strong cotton with twill face and a brushed back.
- a) Bourette
 - b) Cable stitch
 - c) Breton lace
 - d) Canton flannel.
- vii) A thick, pile fabric with surface curls or nubs are called
- a) Chinchilla
 - b) Cheviot
 - c) Cape net
 - d) French terry.
- viii) Choose the process where by portions of a garment are shaped at the selvages by increasing or decreasing the number of loops in the width of the fabric.
- a) Fully cut
 - b) Fully fashioning
 - c) Stitch shaped
 - d) Integral.
- ix) Which of the following are essentially knitted in one piece with little or no seam
- a) Integral knitted garments
 - b) Fashion sweaters
 - c) Seamed sweaters
 - d) None of the above.



9. a) Explain with schematic diagram the functioning of V-bed rib machine.
- b) 4-track circular weft knitting machines are more versatile than a 2-track one in terms of producing designed fabrics — Justify.
- c) Draw a 6-feeder design of interlock base and explain needle functioning in all courses. 5 + 5 + 5
10. a) Yarn quality has a great influence on weft knitted fabric defects. Mention some of the yarn quality parameters which affect weft knitted fabric defects and how.
- b) Quality of weft knitted fabrics depend much on the quality and maintenance of different knitting elements of the machine. Justify this mentioning some important fabric defects. 8 + 7
11. a) What are the production techniques for fully fashions sweaters ?
- b) Describe knitting of cardigans. 9 + 6
12. Elaborate on production techniques for sweaters on circular knitting machine . 15
13. a) What are the cutting machines and cutting techniques used for sewing of sweaters ?
- b) What are the operating difficulties and remedies. 8 + 7
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