



Name :

Roll No. :

Invigilator's Signature :

CS/B.TECH/APM/SEM-7/APM-703/2012-13

2012

CLOTHING SCIENCE

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

(Objective Type Questions)

1. Answer *all* the following questions : 10 × 1 = 10
- a) Chances of pilling are more for cotton material than manmade material. (Write True or False)
 - b) Name any two garment defects.
 - c) Normally 2 yards of knitted fabric is checked for fabric evenness measurement. (Write True or False)
 - d) Lower evenness grade indicates the better fabric quality. (Write True or False)
 - e) Type of stitching machine needle is decided by EPI and PPI of fabric to be stitched. (Write True or False)
 - f) Write full form of STT and LTN faults.

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[Turn over



- g) Ne-40/1 is finer than Tex-40/1. (Write *True or False*)
- h) Mention normal level of GSM and machine gauge used for Ne-30/1 CH yarn.
- i) How much %-age of garment spirality is normally acceptable ?
- j) More yarn hairiness causes more pilling in the fabric.

(Write *True or False*)

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

2. Define 4P(s) and 4C(s) of Apparel trading concept.
3. Define white specks. How the fabric is graded for white specks ?
4. Write short notes on any *one* of the following :
 - i) Drapability
 - ii) Moisture absorption.
5. Calculate the number of needles in the knitting machine with following specifications :
Knitting machine gauge — 32, Knitting machine diameter — 30 inch, Number of feeders — 90.
6. Mention any three important yarn parameters, which are to be checked while sourcing ? How those yarn parameters affect subsequent processes ?



GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. What do you understand by fabric appearance ? What are different quality parameters are evaluated for bleached fabric appearance measurement ? Mention different quality parameters are evaluated for dyed fabric appearance measurement. Describe the methodology of fabric appearance checking in bleached fabric stage. $2 + 3 + 3 + 7$
 8. Why garment durability is important for a user ? What are different factors, which determine the garment durability ? Explain different dimensions which are checked to describe and measure the garment durability. $3 + 3 + 9$
 9. Define pilling. Mention different reasons of garment pilling. Mention different factors which are responsible for pilling. How Pilling can be controlled ? $3 + 4 + 4 + 4$
 10. What is your concept about the clothing comfort ? Why clothing comfort is essential for a consumer ? What are different aspects of clothing comfort ? Describe the different factors related to garment fit. $2 + 3 + 4 + 6$
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