



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/B.Tech (APM)/SEM-7/APM-703/2010-11**

**2010-11**

**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**

**( Very Short Answer Type Questions )**

1. Answer all the following questions : 10 × 1 = 10

i) Flammability indicates the speed at which flame spread.

– True or False ?

ii) Pilling depends on the type of fibre only. – True or False ?

iii) Name any two woven fabric faults ?

iv) Tearing strength is influenced by single yarn strength.

– True or False ?

v) Lower evenness grade indicates the better fabric quality.

– True or False ?



- vi) Knitting machine gauge 24 indicates what ?
- vii) Write full form of STT and LTK faults.
- viii) In apparel industry, upto 5% fabric spirality is unacceptable. – True or False ?
- ix) Number of short thick faults is normally higher than number of long thick faults in the fabric. – True or False ?
- x) What knitting machine gauge is suitable for Ne-40/1 ?

**GROUP – B**

**( Short Answer Type Questions )**

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

2. What do you understand by "Product Value" ? Describe.
3. Define 4P (s) and 4C (s) of apparel trading concept.
4. What is pilling ? Describe the different factors controlling the pilling of the fabric/cloth.
5. Define white specks. How is the fabric graded for white specks ?
6. For fabric evenness checking, how is the fabric sampling carried out ? Describe.
7. Write short notes on the following :
  - i) Spirality
  - ii) Flammability.
8. Describe garment fit and comfort relationship.



**GROUP – C**

**( Long Answer Type Questions )**

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

9. What do you understand by fabric appearance ? How is the measurement of fabric appearance important to apparel industry ? Describe the methodology of fabric appearance checking in bleached and dyed fabric stage.  $2 + 3 + 5 + 5$
10. What do you mean by performance of a garment ? What are the factors on which the garment performance depends ? List the performance parameters of any kind of specific garment and describe in detail.  $2 + 3 + 10$
11. Describe the procedure of yarn sampling for fabric appearance checking ? Why is the yarn sampling an important criteria ? Discuss the quality standards in grading of fabric for the bleached fabric category.  $5 + 2 + 8$
12. What do you understand by clothing comfort ? Mention the most important factors in clothing comfort. What are the factors related to garment fit and describe in detail ?  $3 + 4 + 8$
13. Define fabric/clothing durability. What are the different factors, which influence the cloth durability ? What are the different parameters, which determine the durability ? Describe in detail.  $3 + 3 + 9$
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