

BOARD OF TECHNICAL EDUCATION

PORVORIM-GOA

November, 2008 Examinations

Programme: Garment Technology

Course/Subject: Textile Science (1053)

Time Duration: 3 Hrs.

Max. Marks: 75

INSTRUCTIONS: 1. All Questions are compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable additional data if required.

Q.No.I Answer the following in 3-4 sentences: (5×3=15)
1 Differentiate between filament & yarn
2 Explain with a neat diagram how mercerized cotton looks under the microscope
3 What is the use of antibacterial finish
4. What is yarn count
5 Explain tentering.

Q.No.II Answer any 2 of the following:- (6×2=12)
1. What are the different novelty yarns ?
2. Explain open end spinning
3. What do you understand by ring spinning ?

Q.No.III, A Distinguish between the following by a chemical test. (08)
a) Linea from cotton
b) Silk from wool
c) Rayon from acetate
d) Polyester from nylon
B. Explain the results of burning tests of silk (04)
OR
B. What are the limitations of the feeling test. (04)

Q.No.IV. Write short notes on any 3 (3×4 = 12)
1) 'S' & 'Z' twist in yarns
2) Crabbing
3) Sanding
4) Moiring

Q.No.V. Answer any 2 in 6-8 sentences (2×6=12)
1. Name the different stabilizing finishes & explain fulling.
2. Differentiate between dyeing & printing
3. Explain water repellency & water proof finish

Q.No.VI. Answer any 2 (6×2=12)
1. Explain ammeniating
2. Write a note on crepe & crinkled effects
3. Explain flame retardant finish.

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PORVORIM-GOA

May/June, 2009 Examinations

Programme: GARMENT TECHNOLOGY

Course/Subject: TEXTILE SCIENCE (1053)

Time Duration: 3 Hrs.

Max. Marks: 75

INSTRUCTIONS: 1. All Questions are compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable additional data if required.

- Q.I. Answer the following in 3-4 sentences: (3x5=15)
1. Explain napping.
 2. What are ply yarns?
 3. Differentiate between water repellency & water proffing.
 4. Explain with a neat diagram how viscose rayon looks under the microscope.
 5. What are the benefits of multifilament yarns?
- Q.II. Answer any 2 of the following: (6x2=12)
1. What is the role of yarn count in the spinning process?
 2. Explain air jet spinning.
 3. What is frictionless spinning?
- Q.III. A. Describe the results of burning test for: (08)
- 1) Wool
 - 2) Linen
- B. How would you distinguish between animal and vegetable fibres with acid & alkali? (04)
- OR
- B. Prepare a flow chart that is used for testing fibres & explain the different steps in testing a blend of cotton & silk. (04)
- Q.IV. Write short notes on any 3: (4x3=12)
- 1) Any two types of novelty yarns
 - 2) Embossing
 - 3) Beetling
 - 4) Shape retentive finish
- Q.V. Answer any 2 in 6-8 sentences (6x2=12)
1. Name the different finishes that impart texture & Explain weighting.
 2. What are the different methods of printing?
 3. Write a note on wrinkle resistant & wash & wear fabrics.
- Q.VI. Answer any 2 in 6-8 sentences: (6x2=12)
1. What do you understand by temporary & Permanent stiffening? Explain the use of both.
 2. What is the importance of bleaching & how is it done.
 3. What are preparatory processes? Explain singeing.
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