
BOARD OF TECHNICAL EDUCATION

PORVORIM-GOA
November, 2008 Examinations

Programme: GARMENT TECHNOLOGY

Course/Subject: TEXTILE FIBRES (1052)

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. 1. Write short notes on ANY FIVE of the followings:- (5x3=15)

- a) History of cotton.
- b) Classification of wool according to fleece.
- c) Kinds of thrown silk with illustration.
- d) Manufacturing process of PET polyester.
- e) Recent development in textile fibres.
- f) Acetate yarn production.
- g) Manufacturing of acrylic.
- h) Methods of spinning spun yarn.

Q.No. 2. Answer ANY TWO of the following in length:- (2x6=12)

- a) Explain the process of cultivation of silk.
- b) Write down the process used in manufacturing of cotton.
- c) Explain the process of production in rayon.

Q.No. 3. Write a note on ANY SIX of the followings:- (2x6=12)

- a) Bi-products of cotton.
- b) Degaming of thrown silk.
- c) Drawing of nylon.
- d) Grid spinning.
- e) Menor hair fibres.
- f) Cashmere.
- g) Mechanical retting.
- h) Asbestos.
- i) Kapok.
- j) Types of polyester yarns.
- k) History of wool.

Q.No. 4. Answer the followings:- (6x2=12)

- a) Explain methods of spinning and write down six properties of rayon.
- b) Explain the classification of fibres and give examples in each.

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Q.No. 5. Briefly explain the following ANY FOUR :- (4x3=12)

- a) Gilling and combing .
- b) Worsted v/s wollen fabrics.
- c) Finishes given to silk.
- d) Spinning process of nylon.
- e) Process of viscose rayon.

Q.No. 6. Answer the following:-

- a) Explain sorting, scoring, carbonising, oiling and carding processes.
- b) Write down the properties of Nylon.

OR

- a) Explain the manufacturing process of linen.
- b) What are the various properties of wool ? (6x2=12)

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BOARD OF TECHNICAL EDUCATION

PORVORIM-GOA
May/June, 2009 Examinations

Programme: GARMENT TECHNOLOGY

Course/Subject: TEXTILE FIBRES (1052)

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.1. Write in brief:- (Any 5) (5x3=15)**
- History of silk
 - Classification of wool according to sheep.
 - Thrown silk
 - Drawing of polyester fibre.
 - Minor natural fibre.
 - Process of nylon 66
 - Explain the different types of yarns available.
 - Distinguish between natural and man made fibre, giving examples.
- Q.No.2. Answer any 2 from the following:- (2x6=12)**
- Write down the process of manufacturing of silk in length.
 - Explain the sources and cultivation of cotton.
 - What is yarn production and explain the finish in acetate.
- Q.No.3. Write short notes on, any 6:- (6x2=12)**
- Pot spinning
 - Nylon 6
 - Sources of staple silk
 - Wild silk
 - Mohair
 - Acrylic fibres
 - Jute
 - Hemp
 - AbraVan
 - Finishing given to nylon yarns.
 - Write a note on the history of wool.
- Q.No.4. Answer the following:- (6x2=12)**
- Draw a chart and explain the manufacturing of worsted and woollen fabrics.
 - Explain the finishes and properties of wool.

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Q.No.5. Select any 4 and write notes on them:- (4x3=12)

- a) Ginning and bailing
- b) Weighting of silk
- c) acetate process
- d) Nylon yarns
- e) Filament yarns v/s spun yarns.

Q.No.6. Answer the following:-

- a) Explain the process of preparation of linen fibres. (6)
- b) Write down the properties of acrylic. (6)

OR

- Q.No.6.a) What is the process of manufacturing of acrylic ? (6)
- b) Write down and explain all the properties of acetate. (6)
