



Total No. of printed pages = 3

SUBJECT CODE : FAS082102

Roll No. of candidate

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2017

End Semester B.Des Examination

1st Semester

INTRODUCTION TO TEXTILES

Full Marks- 70

Time- 3 hours

The figures in the margin indicate full marks.

PART – A

Q.1. Answer all questions:

(16 x 1 = 16)

- a. What is the term used for a very large molecule made by connecting many small molecules together?
- b. State the term used for any fabric that has not been finished.
- c. Give two examples of soft goods.
- d. Define abrasion resistance.
- e. What do you mean by resiliency?
- f. Give two examples of staple fiber.
- g. What is elasticity?
- h. Give 4 examples of cellulosic fibres.
- i. Give 4 examples of protein fibres.
- j. Define flammability.
- k. What are spun yarns?
- l. What are filament yarns?
- m. What are plied yarns?
- n. What is the molecular formula for rayon?
- o. What are bast fiber? Give 2 examples
- p. Why are novelty yarns used?

PART – B

Q2. Describe the processing of Wool. Give 5 favorable and 5 unfavorable properties of wool. Write about the grades of wool. Give end uses of wool. (1X14=14)

OR

(2X7=14)

- a. What is simple yarn? Write briefly about the classification of simple yarns with flowchart. Write the difference between simple yarn and ply yarn.
- b. Draw the classification chart of fibers. State 5 differences between natural and man-made fibres.

PART – C

Q.3. (1x10=10)

a). Write briefly about the processing of staple fibres with flow chart. State 5 differences between carded and combed yarn.

OR

b) What is a blend? Describe briefly the blending methods. Give 5 reasons why blending is done.

Q.4. (1x10=10)

a) What are fancy yarns? Draw the classification chart of Fancy yarns and Write briefly about any 6 types of fancy yarns.

OR

c) What is yarn twist? What are the directions of yarn twist. Explain with diagram. Why is twist direction important for yarns? Explain briefly about direct and indirect yarn count system.

Q.5. (1x10=10)

a) Describe in detail about the processing of silk. Write 5 favorable and 5 unfavorable properties of silk. Give 4 end uses of silk.

OR

b) Describe with diagram about the manufacturing process of Nylon. Give 5 properties of Nylon. State end uses of Nylon.

Q.6. (1x10=10)

a). Write about the major segments of the Textile Industry. Give a brief on the Indian textile Industry.

OR

- b). Explain how each of the following would use knowledge or information about textiles:
- i) Designer of children's casual or play clothes.
 - ii) Product development specialist for specialty retailer for menswear.
 - iii) Buyer for Children's apparel for a department store.

- iv) Interior designer for an architectural firm that specializes in office, buildings and corporate headquarters.
- v) Fashion writer for a women's magazine.