

# MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER B. DES. (FD) DEGREE EXAMINATION – NOVEMBER 20 19

SUBJECT: FD 2103 – FABRIC STUDIES II  
(2018 SCHEME)

Friday, November 29, 2019

Time: 10:00 – 13:00 Hrs.

Max. Marks : 50

- ✍ Answer ALL questions.
- ✍ Answer all parts of a question.
- ✍ Support your answer with neat illustration wherever required.

- 1A. What are the benefits of shearing and cropping fabric surface? Mention any two points.
- 1B. Define bleaching. Name any two bleaches used for textiles.
- 1C. Define mercerisation process.
- 1D. What is the difference between dyes and pigments?
- 1E. Explain briefly on block printing process. Answer the question in not less than six sentences.
- 1F. Classify textile finishes.
- 1G. Which finish can be applied on bed spreads used in hospitals? Justify your answer.

(1+1+1+2+2+2+1 = 10 marks)

- 2A. Explain the advantages and disadvantages of applying fabric finishes.
- 2B. Define Anti-bacterial finish and its relevance in applying on textile materials in today's context.
- 2C. Illustrate the difference between water repellent and water proof finish. Support your answer with relevant examples.
- 2D. Explain any two finishes that can be applied for silk fabric.
- 2E. Define aesthetic finish.
- 2F. Traditional textile craft is gaining momentum today. Give an example of a clothing brand that focus on using traditional motifs and embroidery in their clothing line.

(2+2+2+2+1+1 = 10 marks)

- 3A. A fabric dyeing unit had purchased 100% cotton fabric intended to produce shirting material. Choose and explain the fabric preparatory process required for cotton fabric to make it RFD.
- 3B. A fabric manufacturing and wet processing unit received an order for producing heather coloured sweat shirts. Suggest them how to achieve the heather effect 100% wool sweat shirt. Choose the type dye and method of dyeing protein fibre. Justify your answer.
- 3C. A home textile manufacturing firm want to produce a 100% cotton bedsheet with sky-blue colour in the back ground and all over print floral motifs printed on that. Assist him to choose

the apt dye and apply appropriate printing and dyeing technique to create that effect. Identify the appropriate method of printing.

(2+4+4 = 10 marks)

- 4A. Compare Patola of Gujarat and Pochampalli Ikats of Andhra Pradesh.
- 4B. Identify and explain the technique that can be applied to create design by stripping colour from the dyed fabric in the form of design. Choose appropriate end use of this technique in apparel industry.
- 4C. Design a kitchen towel made out of 100% cotton fabric. Develop motifs to be printed and choose the method of printing to be used to embellish it. Compile step by step process of applying the selected technique on kitchen towel.

(3+4+3 = 10 marks)

- 5A. Illustrate any two features of Pochampalli ikat.
- 5B. Develop a guideline briefing the step by step process of preparing and printing designs on fabric using Kalamkari work.
- 5C. A client approached you to choose the best surface embellishment technique in a girl's skirt. She wants to create patterns from light shade to dark tones using one of the Indian traditional technique. Suggest her which surface design technique under dyeing and printing can help her to achieve design. Justify your answer. Develop step by step procedure for achieving it.

(1+4½+4½ = 10 marks)

