

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.E SEMESTER-IV EXAMINATION SUMMER-2015

Subject code: 142804

Date: 28/05/2015

Subject Name: Scouring & Bleaching II

Time: 10.30am-01.00pm

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Enlist different factors affecting the luster. Explain any five in detail **10**
(b) Explain Scouring & Bleaching of Nylon. **04**
- Q.2** (a) Discuss in detail about Mercerizing wetting agents. **07**
(b) Describe semi mercerization in detail. **07**
- OR**
- (b) Describe yarn mercerization in detail with neat sketch. **07**
- Q.3** Describe Chainless pad-less mercerizing machine with neat sketch. **14**
- OR**
- Q.3** Enlist different methods of scouring of wool. Describe each in detail. **14**
- Q.4** Discuss any Two in detail **14**
(i) Hot mercerization
(ii) Degumming of silk
(iii) Scouring and bleaching of CDPET
- OR**
- Q.4** Explain mechanisms and method of polyester weight reduction. **14**
- Q.5** (a) Write a note on Barium activity Number. **07**
(b) Write a note on problems and its remedies in mercerization. **07**
- OR**
- Q.5** Describe Caustic recovery in detail with neat sketch **14**
