

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEM-VII Examination-Nov/Dec.-2011

Subject code: 172803

Date: 24/11/2011

Subject Name: Technology of Finishing-II

Time: 10.30 am-01.00 pm

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) Answer the following **objective** questions. **05**
i) Heat setting temperature should be _____ than the processing temperature.
ii) The fabric lustre is mainly due to _____ reflection of light
iii) Expand DFE to its full form.
iv) R.F.dryer is suitable for _____ drying.
v) What is difference between felting and milling?
(b) Describe with neat diagram the working of cylinder dryer. **09**
- Q.2** (a) Describe with neat diagram the working of raising machine. **07**
(b) Describe elaborately the principle and working of shearing and cropping. **07**
OR
(b) Describe the book fold method of creping. **07**
- Q.3** (a) Describe the influence of various factors on heat setting of polyester. **09**
(b) Explain the effect of heat setting of polyester on dyeing. **05**
OR
- Q.3** (a) Elucidate the mechanism of compressive shrinkage and describe with neat diagram the working of any one method. **10**
(b) Enumerate different models and the respective manufacturers of stenter. **04**
- Q.4** (a) Discuss the object and techno-physical aspects of calendering. **10**
(b) Describe any one method of setting of wool. **04**
OR
- Q.4** Enlist various parts of a stenter. Describe the functions of any for important parts. **14**
- Q.5** (a) Give a brief account on the object and importance of heat setting. **06**
(b) Describe with neat diagram the working different padding mangles. **08**
OR
- Q.5** Give a critical review on damping and conditioning. **14**
