

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEM-VII Examination-Nov/Dec.-2011

Subject code: 172805

Date: 29/11/2011

Subject Name: Ecological aspects in Textile Processing

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 in short **07**
(i) _____ pigments have been identified eventually under the banned category.
(ii) _____ metals are listed under OKOTEX std 100 as potential hazard.
(iii) How many dyes are red-listed by Indian government?
(iv) _____ kg of water is used for processing of 1 kg of cotton.
(v) Give full form of CETP.
(vi) Enlist some popular eco-labels.
(vii) ISO-14000 stands for What?
(b) Give a critical review on impurities in water & its impact in processing. **07**
- Q.2** (a) In which four categories textile waste is classified. Describe any two of them. **07**
(b) What is meant by sustainable development? **07**
- OR**
- (b) Write a short note on ISO-14000. **07**
- Q.3** (a) Describe primary effluent treatment methods. **07**
(b) Draw the Flow diagram of Cotton Processing. **07**
- OR**
- Q.3** (a) Discuss pollution from areas other than chemical processing. **07**
(b) Discuss major criteria specified by eco-labels for eco-processing. **07**
- Q.4** (a) Describe various government support for environment protection. **07**
(b) Discuss Clean technology for sustainable development. **07**
- OR**
- Q.4** (a) Discuss water impurities & its impact on processing. **07**
(b) Write a note on 'Towards eco-friendly processing'. **07**
- Q.5** Write a short note on any TWO: **14**
(a) Solution to environmental problems
(b) Heavy metals in textiles.
(c) Global warming
(d) Characteristics of waste water of textile industries.
