

GUJARAT TECHNOLOGICAL UNIVERSITY
B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012

Subject code: 172805**Date: 28/12/2012****Subject Name: Ecological aspects in Textile Processing****Time: 10.30 am - 01.00 pm****Total Marks: 70**

Instructions:

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

- Q.1 (a) Answer in short 07**
- (i) _____ number of dyes are banned by German government for their carcinogenic effects.
- (ii) Which is the most effected dye class found to be harmful?
- (iii) _____&_____ are maximum permissible limit for PCP for garments & baby clothing.
- (iv) List some safe dyestuff.
- (v) What is meant by sustainable developments?
- (vi) Name three major components of textile industry.
- (vii) Enlist some deliquescent used in sizing mixture.
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- (b) Give eco-standards for textiles under different eco-labels. 07**
- Q.2 (a) Give major criteria specified by eco-labels for eco-friendly textiles. List 07**
banned azo dyes based on arylamines.
- (b) Give a critical review of pesticides in fiber/yarn. 07**
- OR**
- (b) Describe Environ-management system i.e. ISO – 14000. 07**
- Q.3 (a) Describe characteristics of process waste water of textile mills. 07**
(b) Effect of textile effluent on plants & animal life. 07
- OR**
- Q.3 (a) Write a short note on solution to environmental problems. 07**
(b) Write a short note on Towards eco-friendly textile processing. 07
- Q.4 (a) Describe pollution from areas other than chemical processing. 07**
(b) Classify waste generated in textile industry. Explain any two of them. 07
- OR**
- Q.4 (a) Discuss government support for environment protection. 07**
(b) Discuss waste-water recycling. 07
- Q.5 (a) Write a short note on Global Warming. 07**
(b) Write a short note on water impurities & their impacts on textile processing. 07
- OR**
- Q.5 (a) Write a short note on formaldehyde release. 07**
(b) Write a short note on clean technology for sustainable development. 07
