

TTL744 Major Test

Waste Management in Textiles & Allied Industries

MM-30
Time – 2h

Date 04.05.2010

Note: All questions carry equal marks.

Q.1. Discuss various aspects of recycling of wool from carpet waste. Discuss the most interesting route of wool recycling.

Q.2. Plasma technology is an innovative way of environmental protection. Define this with suitable examples.

Nanosilver is hazardous in nature. How could this be managed if finishing of textile is carried out?

Q.3. Discuss the merits and demerits of organic cotton farming with respect to the environmental protection.

Q.4. What do u understand by Bioplastics? Give two examples of such materials and explain their role in environmental protection.

Q.5. Chitosan is a biopolymer which is used for the textile applications. How can this be used to treat waste water from chemical processing units?

Q.6. A filter is needed for the entrapment of toxic gases. How would you develop it?

Q.7. Discuss the preparation of an ultrafiltration membrane for dye waste water treatment. Discuss the parameters that are needed for the separation process.

Q.8. How would you develop anion and cation exchange membranes? What is the role of cation exchange membrane in waste water treatment?

Q.9. Discuss ISO 14000. What do you understand with the Carbon credits?

Q.10. The waste from propylene and nylon units is mixed together. How can you identify the two components, precisely? What would be the waste management approach for both of them?