DATE: 28.12.2015

INSTRUCTIONS:
1. Attempt six questions out of which Q1 is compulsory
2. Answer each next question on new page
3. Figure to the right indicate full marks
4. Illustrate your answers with sketches and flow chart wherever necessary
5. Use of non programmable electronic pocket calculator permissible
6. Mobile and any other communication devices are not allowed in exam hall.
7. Assume suitable data wherever necessary

Marks: 100
Time: 10 am to 1 pm

Q1. a. Discuss the Environmental Norms for Textile processing industry with special reference to pollution control measures.
    b. Discuss different types of pollution affected by spinning, weaving, wet processing of textiles.

Q2. a. Discuss effluent discharge standards for inland surface water public sewers on land for marine coastal areas.
    b. Describe WHO, ISO standards for the criteria of raw water quality.

Q3. Give an account of effluent discharge standards administered by central pollution control board. How do these standards compare with international standards with special reference to total dissolved solids.

Q4. a. Give an account of various quality parameters of industrial water required for textile processing.
    b. Discuss the method involved in removal of colour and turbidity in the waste water.


Q6. What is energy conservation? Discuss energy saving strategies in a textile processing unit.

Q7. Give a brief account of different energy sources involved in the manufacturing operations of composite textile mill.

Q8. What is energy auditing? Give an account of energy auditing being adopted in

Page 1 of 2
a mill with reference to thermal, electrical, and optical energies.