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B. Tech
CPEN 5305

Eighth Semester Examination – 2008

TEXTILE MILL PLANNING, SAFETY AND ENVIRONMENT

Full Marks – 70

Time : 3 Hours

*Answer Question No. 1 which is compulsory and any **five** from the rest.*

The figures in the right-hand margin indicate marks.



1. Answer the following questions : 2×10
- (a) State the process sequences in a composite Textile Mill.
 - (b) State the types of production systems employed in the Textile Mills.
 - (c) What do you mean by production planning and scheduling ?

- (d) State the workload of Jobber, piecer and doffing boys in a spinning mill.
- (e) What are the factors to be considered while assessing the workload of a weaver in loom shed ?
- (f) How do you determine the labour productivity in a spinning mill ?
- (g) State the difference between corrective maintenance and preventive maintenance.
- (h) State the significance of “Break Even Analysis”.
- (i) State the functional classification of costs with special reference to a Textile Mill.
- (j) State the laws applicable to a Textile Mill.

2. Answer any *four* questions : 5×4
- (a) What do you mean by line and staff organization ? Give the organizational structure of a Textile Mill.

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- (b) Write the maintenance schedules of Ring frame section in a spinning mill.
- (c) What are the different types of material handling equipments used in a Textile Mill ? State with example.
- (d) Classify the different expenses in Textile Mill under fixed cost and variable cost.
- (e) State the types and sources of effluents generation in a cotton textile industry.
3. Explain the procedures for determining cost of production of of grey fabric in a Textile Mill. 10
4. In a spinning mill total yarn sale realization is Rs.1540.00 lakhs per annum, fixed expenses is Rs. 452.00 lakhs and variable expenses is Rs. 1050.00 lakhs. Calculate the break even points and give your comment on the viability of the mill. 10

5. Explain the nature of safety measures to be taken in a Textile mill to avoid accidents and health hazards. 10
6. Explain the characteristics of process wise waste water generation in a cotton Textile mill. 10
7. Write the short notes on the followings : 5×2
- (i) Employees' State Insurance Scheme
- (ii) Employees Provident Fund Scheme.