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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(Textile) (2011 Onwards) (Sem.-8)

**MILL PLANNING AND MANAGEMENT**

Subject Code : BTTE-802

Paper ID : [72371]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A****1. Write briefly :**

- (a) What do you understand by '*heaving threshold*'?
- (b) What is the normal output 'dB' of a ring frame?
- (c) What is '*Sunk cost*'?
- (d) Differentiate between '*booked cost*' and '*out of pocket cost*'.
- (e) Mention the three elements of cost for location analysis.
- (f) What is Centrifugal Disc Humidifier?
- (g) What are the "*fixed path*" and "*variable path*" in material handling?
- (h) Mention some ways to reduce heat load from roof.
- (i) What is dew point?
- (j) What is '*Hybrid Layout*'?

### SECTION-B

2. Discuss the factors to be considered while deciding plant location.
3. Briefly discuss the measures to ensure good working environment in a mill.
4. What factors must be considered while deciding the illumination or lighting in a textile mill?
5. Discuss the measures to minimize noise in the spinning department of a textile mill.
6. Why it is necessary to maintain a certain level of relative humidity and temperature in textile mill?

### SECTION-C

7. With the help of a neat sketch, describe any type of air conditioning plant. Why a central station type is advantageous over unit type of air conditioning plant?
8. What is Spinning Cost? How does the end breaks in ring spinning effect the work assignment and cost?
9. Draw the layout of a processing department of a standard textile mill.