B. Tech.

(SEM. VI) EXAMINATION, 2006-07

TECHNOLOGY OF DYEING - II

Time : 3 Hours] [Total Marks : 100

Note : Attempt all questions.

1. Write a detailed note on ‘Role of fibre structure’ in dyeing.

OR

1. How would you produce solid effect dyeing on cots wool fabric?

2. What is ‘German Ban’? Give the classification of amines. Discuss competitive advantages of German Ban?

OR

2. Discuss ecofriendliness of natural dyes.
3. Give the classifications of natural dyes with examples. Complete the following table.

<table>
<thead>
<tr>
<th>Dyeclass</th>
<th>Name of Natural Dye</th>
<th>Chemical Name</th>
<th>Colour/hue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disperse</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mordent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acid</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OR

3. How the colours are extracted from natural dyes? Discuss in detail.

4. Discuss various types of mordants used in natural dyeing with examples.

OR

4. Give various process of mordanting? Support your answer by giving suitable examples.

5. Give the complete dyeing process of cotton and silk with any natural dye?

OR

5. Discuss fastness properties of natural dyed textiles. Give the method of assessing light fastness.