- The Elements of Statistical Learning by Trevor Hastie, Robert Tibshirani, and Jerome Friedman.

Paper Pattern for 4 Credits:

<table>
<tr><th>Sr No</th><th>Nature of Examination</th><th>Bifurcation of Marks</th><th>Total Marks</th></tr>
<tr><td>I</td><td>Continuous Evaluation</td><td>
<table>
<tr><th>Sr No</th><th>Examination</th><th>Marks</th></tr>
<tr><td>1</td><td>Class Test</td><td>20</td></tr>
<tr><td>2</td><td>Project Presentation / Viva / Assignment / Case Study</td><td>20</td></tr>
<tr><td>3</td><td>Active Attendance & Participation</td><td>10</td></tr>
</table>
</td><td>50</td></tr>
<tr><td>2</td><td>Semester End</td><td>
<table>
<tr><th>Question No</th><th>Paper Pattern</th><th>Unit</th><th>Marks</th></tr>
<tr><td>1</td><td>Solve (1 out of 2)</td><td>I</td><td>14</td></tr>
<tr><td>2</td><td>Solve (1 out of 2)</td><td>II</td><td>12</td></tr>
<tr><td>3</td><td>Solve (1 out of 2)</td><td>III</td><td>12</td></tr>
<tr><td>4</td><td>Solve or Short Notes (1 out 2)</td><td>IV</td><td>12</td></tr>
</table>
For Theory Subjects ,question per unit may be Sub Divided into 4 marks each from sub modules
</td><td>50</td></tr>
<tr><td></td><td></td><td>Total</td><td>100</td></tr>
</table>

Paper Pattern for 2 Credits:

<table>
<tr><th>Sr No</th><th>Nature of Examination</th><th>Bifurcation of Marks</th><th>Total Marks</th></tr>
<tr><td>I</td><td>Continuous Evaluation</td><td>
<table>
<tr><th>Sr No</th><th>Examination</th><th>Marks</th></tr>
<tr><td>1</td><td>Class Test</td><td>10</td></tr>
<tr><td>2</td><td>Project Presentation / Viva / Assignment / Case Study</td><td>10</td></tr>
<tr><td>3</td><td>Active Attendance & Participation</td><td>05</td></tr>
</table>
</td><td>25</td></tr>
<tr><td>2</td><td>Semester End</td><td>
<table>
<tr><th>Question No</th><th>Paper Pattern</th><th>Unit</th><th>Marks</th></tr>
<tr><td>1</td><td>Solve (1 out of 2)</td><td>I</td><td>13</td></tr>
<tr><td>2</td><td>Solve (1 out of 2)</td><td>II</td><td>12</td></tr>
</table>
For Theory Subjects ,question per unit may be Sub Divided into 4 marks each from sub modules
</td><td>25</td></tr>
<tr><td></td><td></td><td>Total</td><td>50</td></tr>
</table>

Paper Pattern (Total 50 Marks)

Internal = 25 Marks
External = 25 Marks

Internal Paper Pattern (25 Marks)

Q1. Project Presentation/ Case Study writing	**05 Marks**
Q2. Quiz/ Group discussion	**05 Marks**
Q3. Paper Presentation/ Seminar presentation	**05 Marks**
Q4. Class Test	**10 Marks**
Total	**25 Marks**

External Paper Pattern (25 Marks)

Q1. Case Study Analysis	**05 Marks**
Q2. Answer the following (Any One)	**10 marks**
A	
Or	
B	
Q3. Answer the following (Any One)	**10 Marks**
A	
Or	
B	
Total	**25 Marks**

Paper Pattern (Total 100 Marks)

Internal = 50 Marks

External = 50 Marks

Internal Paper Pattern (50 Marks)

Q1. Project Presentation/ Case Study writing	**10 Marks**
Q2. Quiz/ Group discussion / Role Playing	**10 Marks**
Q3. Paper Presentation/ Seminar presentation	**10 Marks**
Q4. Class Test	**20 Marks**
Total	**50 Marks**

External Paper Pattern (50 Marks)

Q1. Case Study Analysis	**10 Marks**
Q2. Answer the following (Any One)	**10 marks**
A	
Or	
B	
Q3. Answer the following (Any One)	**10 Marks**
A	
Or	
B	
Q4. Answer the following (Any One)	**10 marks**
A	
Or	
B	
Q5. Answer the following (Any One)	**10 marks**
A	
Or	
B	
Total	**50 Marks**