PECTAA

PAIRING SCHEME / PAPER PATTERN

Subject: Mathematics **Class: 12th (2nd Year)** **Total Marks: 100**

Session: _____ **Time Allowed: 3 Hours** **Paper Code: Math-XII**

The Mathematics paper for Grade 12 (2nd Year) will be have 100 marks and will have a duration of 3 hours.

<table>
<tr><th>Section</th><th>Details</th><th>Marks</th></tr>
<tr><td>Objective
(MCQs)</td><td>Q-1: There will be 20 Multiple Choice Questions (MCQs) from the entire textbook. The distribution is as follows:
<table>
<tr><th>Unit</th><th>No. of MCQs</th><th>Unit</th><th>No. of MCQs</th></tr>
<tr><td>1</td><td>2</td><td>2</td><td>3</td></tr>
<tr><td>3</td><td>3</td><td>4</td><td>1</td></tr>
<tr><td>5</td><td>2</td><td>6</td><td>2</td></tr>
<tr><td>7</td><td>2</td><td>8</td><td>1</td></tr>
<tr><td>9</td><td>1</td><td>10</td><td>2</td></tr>
<tr><td>11</td><td>1</td><td colspan="2">---</td></tr>
</table></td><td>1 × 20 = 20</td></tr>
<tr><td rowspan="3">Part-I:
Subjective

Note: This section contains three short answer questions (SAQs)</td><td>This section contains three (3) short questions.
Q-2: Students are required to attempt any 8 out of 12 short questions. The detail is as follows:
<table>
<tr><th>Unit</th><th>No. of SAQs</th><th>Unit</th><th>No. of SAQs</th></tr>
<tr><td>1</td><td>2</td><td>2</td><td>5</td></tr>
<tr><td>4</td><td>3</td><td>7</td><td>2</td></tr>
</table></td><td>2 × 8 = 16</td></tr>
<tr><td>Q-3: Students are required to attempt any 8 out of 12 short questions. The detail is as follows:
<table>
<tr><th>Unit</th><th>No. of SAQs</th><th>Unit</th><th>No. of SAQs</th></tr>
<tr><td>3</td><td>5</td><td>5</td><td>3</td></tr>
<tr><td>6</td><td>4</td><td colspan="2">---</td></tr>
</table></td><td>2 × 8 = 16</td></tr>
<tr><td>Q-4: Students are required to attempt any 9 out of 13 short questions. The detail is as follows:
<table>
<tr><th>Unit</th><th>No. of SAQs</th><th>Unit</th><th>No. of SAQs</th></tr>
<tr><td>8</td><td>3</td><td>9</td><td>3</td></tr>
<tr><td>10</td><td>3</td><td>11</td><td>4</td></tr>
</table></td><td>2 × 9 = 18</td></tr>
</table>

<table>
<tr><th>Section</th><th>Details</th><th>Marks</th></tr>
<tr><td>Part-II:
Subjective</td><td>This section contains five (5) long questions (LQs), each bifurcated into two parts a & b (carrying 5 marks each) and students have to attempt any three (3) questions. The details are as follows:
<table>
<tr><th colspan="4">Q-5:</th></tr>
<tr><th>Unit</th><th>Part-a</th><th>Unit</th><th>Part-b</th></tr>
<tr><td>1</td><td>1 LQ</td><td>9 or 10</td><td>1 LQ</td></tr>
</table>
<table>
<tr><th colspan="4">Q-6:</th></tr>
<tr><th>Unit</th><th>Part-a</th><th>Unit</th><th>Part-b</th></tr>
<tr><td>2</td><td>1 LQ</td><td>4</td><td>1 LQ</td></tr>
</table>
<table>
<tr><th colspan="4">Q-7:</th></tr>
<tr><th>Unit</th><th>Part-a</th><th>Unit</th><th>Part-b</th></tr>
<tr><td>2</td><td>1 LQ</td><td>5</td><td>1 LQ</td></tr>
</table>
<table>
<tr><th colspan="4">Q-8:</th></tr>
<tr><th>Unit</th><th>Part-a</th><th>Unit</th><th>Part-b</th></tr>
<tr><td>3</td><td>1 LQ</td><td>7</td><td>1 LQ</td></tr>
</table>
<table>
<tr><th colspan="4">Q-6:</th></tr>
<tr><th>Unit</th><th>Part-a</th><th>Unit</th><th>Part-b</th></tr>
<tr><td>6</td><td>1 LQ</td><td>8</td><td>1 LQ</td></tr>
</table>
</td><td>3 × 10 = 30</td></tr>
</table>