



## **VETREE TUITION CENTRE**

299, ALAGARNAGAR BUS STOP, ALAGARKOIL MAIN ROAD, K PUDUR, MADURAI 007

92445 39449, 92450 41486

# **VETREE TUITION CENTRE**

## **10<sup>TH</sup> MATHS IMPORTANT STUDY MATERIALS**

## **PUBLIC EXAM 2024**

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## 10<sup>TH</sup> MATHS IMPORTANT QUESTIONS

### CHAPTER 1: RELATIONS AND FUNCTIONS

<b>UNIT</b>	<b>1</b>
<b>EXAMPLES</b>	<b>1(III), 2, 4, 6, 8, 9, 13, 14, 17, 19, 21, 22</b>
<b>EXERCISE 1.1</b>	<b>1(I), 2, 3, 6</b>
<b>EXERCISE 1.2</b>	<b>2, 3</b>
<b>EXERCISE 1.3</b>	<b>1, 2, 5</b>
<b>EXERCISE 1.4</b>	<b>1, 3</b>
<b>EXERCISE 1.5</b>	<b>1(I), 2(I), 4</b>
<b>UNIT EXERCISE</b>	<b>1</b>

### CHAPTER 2: NUMBERS AND SEQUENCES

<b>UNIT</b>	<b>2</b>
<b>EXAMPLES</b>	<b>3, 5, 10, 13, 14, 15, 26, 42, 49, 55(III), 56(II), 57</b>
<b>EXERCISE 2.1</b>	<b>2, 6(II), 10</b>
<b>EXERCISE 2.2</b>	<b>1, 4, 5</b>
<b>EXERCISE 2.3</b>	<b>1(V), 4, 5, 7</b>
<b>EXERCISE 2.4</b>	<b>1(I), 4(I)</b>
<b>EXERCISE 2.5</b>	<b>1(I), 5, 8</b>
<b>EXERCISE 2.6</b>	<b>1(I)</b>

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<b>EXERCISE 2.7</b>	<b>3</b>
<b>EXERCISE 2.8</b>	<b>4(I), 5</b>
<b>EXERCISE 2.9</b>	<b>1(II, VI), 3</b>

### CHAPTER 3: ALGEBRA

<b>UNIT</b>	<b>3</b>
<b>EXAMPLES</b>	<b>12(II, III, IV), 14(II), 19(II), 24, 25(III), 32, 40, 44(II, III), 59, 65</b>
<b>EXERCISE 3.4</b>	<b>1(I, II, III)</b>
<b>EXERCISE 3.5</b>	<b>1(I)</b>
<b>EXERCISE 3.6</b>	<b>1(III)</b>
<b>EXERCISE 3.7</b>	<b>2(I, II)</b>
<b>EXERCISE 3.9</b>	<b>1(I)</b>
<b>EXERCISE 3.10</b>	<b>2</b>
<b>EXERCISE 3.13</b>	<b>1(I, III)</b>
<b>EXERCISE 3.14</b>	<b>4</b>
<b>EXERCISE 3.17</b>	<b>2, 3, 4, 5, 6</b>
<b>EXERCISE 3.19</b>	<b>10</b>

### CHAPTER 4: GEOMETRY

<b>UNIT</b>	<b>4</b>
<b>EXAMPLES</b>	<b>7, 8, 15, 22, 24, 27, 28</b>
<b>EXERCISE 4.1</b>	<b>3</b>

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<b>EXERCISE 4.2</b>	<b>1(I), 3, 8(I)</b>
<b>EXERCISE 4.3</b>	<b>1</b>
<b>EXERCISE 4.4</b>	<b>1, 2, 7</b>
<b>UNIT EXERCISE 4</b>	<b>1</b>

### CHAPTER 5: COORDINATE GEOMETRY

<b>UNIT</b>	<b>5</b>
<b>EXAMPLES</b>	<b>1, 2, 8, 9(I), 11, 18(II), 19, 21, 26, 27, 33, 34</b>
<b>EXERCISE 5.1</b>	<b>1(I)</b>
<b>EXERCISE 5.2</b>	<b>5, 6, 7</b>
<b>EXERCISE 5.3</b>	<b>1, 2, 8, 12</b>
<b>EXERCISE 5.4</b>	<b>1(I), 4</b>

### CHAPTER 6: TRIGONOMETRY

<b>UNIT</b>	<b>6</b>
<b>EXAMPLES</b>	<b>3, 4, 5, 6, 10, 19, 20, 26</b>
<b>EXERCISE 6.1</b>	<b>2(II), 3(I)</b>
<b>EXERCISE 6.2</b>	<b>1</b>
<b>EXERCISE 6.3</b>	<b>1</b>

### CHAPTER 7: MENSURATION

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<b>UNIT</b>	<b>7</b>
<b>EXAMPLES</b>	<b>1, 2, 6, 8, 9, 10, 13, 15, 19, 30</b>
<b>EXERCISE 7.1</b>	<b>8</b>
<b>EXERCISE 7.2</b>	<b>3, 6, 7, 8</b>
<b>UNIT EXERCISE</b>	<b>7</b>

### CHAPTER 8: STATISTICS AND PROBABILITY

<b>UNIT</b>	<b>8</b>
<b>EXAMPLES</b>	<b>1, 3, 16, 21, 22, 25, 27</b>
<b>EXERCISE 8.1</b>	<b>1</b>
<b>EXERCISE 8.2</b>	<b>1, 5</b>
<b>EXERCISE 8.3</b>	<b>2, 4, 7(I)</b>
<b>EXERCISE 8.4</b>	<b>1, 9</b>

### IMPORTANT 5 MARKS

### CHAPTER 1: RELATIONS AND FUNCTIONS

<b>UNIT</b>	<b>1</b>
<b>EXAMPLES</b>	<b>11, 18, 23, 24</b>
<b>EXERCISE 1.1</b>	<b>5, 6(II), 7</b>
<b>EXERCISE 1.2</b>	<b>1, 2, 4(II), 5</b>

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<b>EXERCISE 1.3</b>	<b>1</b>
<b>EXERCISE 1.4</b>	<b>2, 3, 9, 10, 12</b>
<b>EXERCISE 1.5</b>	<b>2, 8(II, III)</b>
<b>UNIT EXERCISE</b>	<b>6</b>

### CHAPTER 2: NUMBERS AND SEQUENCES

<b>UNIT</b>	<b>2</b>
<b>EXAMPLES</b>	<b>6, 10, 27, 30, 34, 36, 39, 44, 51</b>
<b>EXERCISE 2.1</b>	<b>2, 6(IV), 8</b>
<b>EXERCISE 2.2</b>	<b>5</b>
<b>EXERCISE 2.3</b>	<b>9</b>
<b>EXERCISE 2.5</b>	<b>9, 11, 12, 14</b>
<b>EXERCISE 2.6</b>	<b>1(I)</b>
<b>EXERCISE 2.7</b>	<b>6, 9, 12</b>
<b>EXERCISE 2.8</b>	<b>1(V, VI), 6, 7</b>
<b>UNIT EXERCISE</b>	<b>5</b>

### CHAPTER 3: ALGEBRA

<b>UNIT</b>	<b>3</b>
<b>EXAMPLES</b>	<b>9, 10, 11, 18, 21, 22, 39, 45, 46, 72, 73</b>
<b>EXERCISE 3.1</b>	<b>5</b>
<b>EXERCISE 3.2</b>	<b>1(I)</b>

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<b>EXERCISE 3.3</b>	<b>2(I)</b>
<b>EXERCISE 3.5</b>	<b>4</b>
<b>EXERCISE 3.6</b>	<b>5</b>
<b>EXERCISE 3.7</b>	<b>2(III)</b>
<b>EXERCISE 3.8</b>	<b>1(II), 2(II), 3(I)</b>
<b>EXERCISE 3.9</b>	<b>1(I)</b>
<b>EXERCISE 3.12</b>	<b>9</b>
<b>EXERCISE 3.13</b>	<b>5</b>
<b>EXERCISE 3.14</b>	<b>3, 4, 6</b>
<b>EXERCISE 3.17</b>	<b>5</b>
<b>EXERCISE 3.19</b>	<b>5, 11, 12, 13</b>
<b>UNIT EXERCISE</b>	<b>5, 16</b>

## CHAPTER 4: GEOMETRY

<b>UNIT</b>	<b>4</b>
<b>EXAMPLES</b>	<b>4, 21, 25, 32</b>
<b>EXERCISE 4.2</b>	<b>8(I)</b>
<b>EXERCISE 4.3</b>	<b>5, 6</b>
<b>EXERCISE 4.4</b>	<b>9</b>

## CHAPTER 5: COORDINATE GEOMETRY

<b>UNIT</b>	<b>5</b>
<b>EXAMPLES</b>	<b>3, 15, 27, 28, 36</b>

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<b>EXERCISE 5.1</b>	<b>5, 6, 7, 10</b>
<b>EXERCISE 5.2</b>	<b>10, 11, 12</b>
<b>EXERCISE 5.3</b>	<b>1, 9, 149I)</b>
<b>EXERCISE 5.4</b>	<b>7, 8, 9, 10, 11, 12</b>
<b>UNIT EXERCISE</b>	<b>9</b>

### CHAPTER 6: TRIGONOMETRY

<b>UNIT</b>	<b>6</b>
<b>EXAMPLES</b>	<b>12, 21, 22, 23, 27, 31, 38</b>
<b>EXERCISE 6.1</b>	<b>79II), 9(II), 10</b>
<b>EXERCISE 6.2</b>	<b>1</b>
<b>EXERCISE 6.3</b>	<b>4, 5</b>
<b>EXERCISE 6.4</b>	<b>1, 2, 3</b>
<b>UNIT EXERCISE</b>	<b>9</b>

### CHAPTER 7: MENSURATION

<b>UNIT</b>	<b>7</b>
<b>EXAMPLES</b>	<b>5, 7, 14, 22, 23, 24, 26, 29, 31</b>
<b>EXERCISE 7.1</b>	<b>1, 5, 7, 8, 10</b>
<b>EXERCISE 7.2</b>	<b>5, 10</b>
<b>EXERCISE 7.3</b>	<b>2, 5</b>
<b>EXERCISE 7.4</b>	<b>1, 2, 4, 6, 7</b>

### CHAPTER 8: STATISTICS AND PROBABILITY

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<b>UNIT</b>	<b>8</b>
<b>EXAMPLES</b>	<b>4, 5, 6, 10, 13, 14, 16, 18, 25, 27, 36</b>
<b>EXERCISE 8.1</b>	<b>4, 10, 11</b>
<b>EXERCISE 8.2</b>	<b>5, 6</b>
<b>EXERCISE 8.3</b>	<b>2, 8</b>
<b>EXERCISE 8.4</b>	<b>6, 8</b>