

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

## EXAMPLE AND EXERCISE WISE EM NEW (2024 - 2025 )

Note: Star and Bold sums are very very important

### CHAPTER – 1 (RELATIONS AND FUNCTIONS)

#### 2 MARK IMPORTANT QUESTIONS

<b>Example:</b> 1.1)*(i) (iii), 1.2*, 1.9, 1.14, 1.17, 1.19, 1.21, 1.22*	<u>Exercise: 1.1</u> 1)* (i), 2*, 3*. <u>Exercise: 1.2</u> 2*, 3. <u>Exercise: 1.3</u> 1, 3*, 5*, 6, 8. <u>Exercise: 1.4</u> 4, 5, 6, 8. <u>Exercise: 1.5</u> 1)* (i), (ii), (iii), (iv), 2)* (i), (ii), 4, 6.
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#### 5 MARK IMPORTANT QUESTIONS

<b>Example:</b> 1.3)* (i) (ii), 1.8, 1.11*, 1.15, 1.16, 1.18*, 1.23*, 1.24	<u>Exercise: 1.1</u> 4, 5, 6* (i), (ii), (iii), 7* (i), (ii). <u>Exercise: 1.2</u> 5. <u>Exercise: 1.3</u> 4, 10. <u>Exercise: 1.4</u> 2*, 3, 9*, 10*, 12. <u>Exercise: 1.5</u> 8* (i) (ii) (iii)
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### CHPATER – 2 (NUMBERS AND SEQUENCES)

#### 2 MARK IMPORTANT QUESTIONS

<b>Example:</b> 2.4*, 2.5, 2.10*, 2.11*, 2.14*, 2.15*, 2.17, 2.21*, 2.26*, 2.32*, 2.33, 2.42*, 2.46, 2.48*, 2.49*, 2.54*(ii), 2.56 (i), 2.58*.	<u>Exercise: 2.1</u> 2, 6*(i) (ii) (iv), 8*. <u>Exercise: 2.2</u> 3*, 4*, 6, 9*. <u>Exercise: 2.3</u> 1(i) (ii) (iv), 3*, 5*, 6*, 7*. <u>Exercise: 2.4</u> 4*, 5*. <u>Exercise: 2.5</u> 4*, 5*, 6*, 8*, 9*. <u>Exercise: 2.6</u> 1(iii), 5*, 6*. <u>Exercise: 2.7</u> 3*, 4*, 5*(i) (ii), 8*. <u>Exercise: 2.8</u> 2*, 4*(i) (ii), 7*. <u>Exercise: 2.9</u> 1 (ii) (iii), (iv), (vii), 2*, 3*, 4*.
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#### 5 MARK IMPORTANT QUESTIONS

<b>Example:</b> 2.6*, 2.22*, 2.27*, 2.28, 2.29*, 2.30, 2.34, 2.36*, 2.38, 2.39*, 2.43*, 2.44*, 2.45, 2.51*, 2.53, 2.56*(ii) (iii), 2.57*(ii).	<u>Exercise: 2.2</u> 3*, 5*. <u>Exercise: 2.3</u> 8*, 9*. <u>Exercise: 2.4</u> 6. <u>Exercise: 2.5</u> 7*, 11*, 12*, 14. <u>Exercise: 2.6</u> 7*, 9, 11*, 12*. <u>Exercise: 2.7</u> 6*, 9*, 12*, <u>Exercise: 2.8</u> 5, 6** (i) (ii), 10*. <u>Exercise: 2.9</u> 1* (v) (vi), 5*, 6*, 7*.
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### CHAPTER – 3 (ALGEBRA)

#### 2 MARK IMPORTANT QUESTIONS

<b>Example:</b> 3.1, 3.2, 3.12*(i) (iii) (iv), 3.13*, 3.14*, 3.15 (i), 3.16 (i), 3.19*, 3.24*, 3.25*, 3.26, 3.28, 2.32*, 2.33*, 3.37*, 3.40**, 3.43*, 3.44*, 3.58*, 3.59*, 3.60*, 3.63*, 3.65*, 3.67*, 3.70*.	<u>Exercise: 3.2</u> 2* (i) (ii) (iv) (vi), <u>Exercise: 3.4</u> 1, 2* (ii) (iii) (iv), <u>Exercise: 3.5</u> 1*, 2*. <u>Exercise: 3.6</u> 1*, 2 (ii), <u>Exercise: 3.7</u> 1*(i) (iii). <u>Exercise: 3.9</u> 1*, <u>Exercise: 3.10</u> 1 (i) (iii) (iv). <u>Exercise: 3.11</u> 2* (ii) (iii) (iv). <u>Exercise: 3.12</u> 1*, 4. <u>Exercise: 3.13</u> 1* (i) (iii) (v)*, 2*. <u>Exercise: 3.17</u> 3*(i) (ii), 5*, 6*, 7 (ii) (iii). <u>Exercise: 3.18</u> 1* (i) (ii), 4*(i), (ii), 6*. <u>Exercise: 3.19</u> 3*, 4*, 8*, 9*, 10*.
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#### 5 MARK IMPORTANT QUESTIONS

<b>Example:</b> 3.3*, 3.7, 3.9, 3.10*, 3.11*, 3.16* (iii), 3.18*, 3.20*(iii), 3.21**, 3.22**, 3.29, 3.35, 3.42*, 3.44*, 3.45*, 3.46 (i) (ii), 3.66, 3.71*, 3.72*, 3.73*.	<u>Exercise: 3.1</u> 1*(i) (ii) (iii), 2*(iii), 5*. <u>Exercise: 3.2</u> 1*(i)(iii)(iv). <u>Exercise: 3.5</u> 3 (i) (iv), 4*, 5*. <u>Exercise: 3.6</u> 5*, 6*. <u>Exercise: 3.7</u> 2 (iii) (iv), <u>Exercise: 3.8</u> 1***, 2***, 3***. <u>Exercise: 3.12</u> 3*, 6*, 9*. <u>Exercise: 3.13</u> 4*, 5*. <u>Exercise: 3.14</u> 2*, 4**, 5*, 6*. <u>Exercise: 3.18</u> 2*, 3*, 8*. <u>Exercise: 3.19</u> 5*, 7*, 11, 12**, 13***.
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#### 8 MARK IMPORTANT QUESTIONS (GRAPH OF VARIATION & QUADRATIC GRAPH)

<b>Example:</b> 3.47**, 3.48**, 3.49**, 3.50**, 3.52**, 3.54*, 3.55**	<u>Exercise: 3.15</u> 1**, 2**, 3**, 4*, 6*. <u>Exercise: 3.16</u> 4**, 5*, 6**, 7**, 8*
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### CHAPTER – 4 (GEOMETRY)

#### 2 MARK IMPORTANT QUESTIONS

<b>Example:</b> 4.1*, 4.5*, 4.6, 4.7*, 4.8*, 4.12, 4.13*, 4.15*, 4.16*, 4.22, 4.24*, 4.27, 4.28*, 4.34. Ceva's Theorem, Menelaus Theorem.	<u>Exercise: 4.1</u> 3, 6*, 8*, 9*. <u>Exercise: 4.2</u> 1**(i) (ii), 2, 3, 8* (i) (ii) <u>Exercise: 4.3</u> 1*, 2, 5*, 6. <u>Exercise: 4.4</u> 1*, 3*, 7**, 10.
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## 5 MARK IMPORTANT QUESTIONS

<u>Example:</u> 4.4, 4.9**, 4.20, 4.21*, 4.25*, 4.32**, 4.33.	<u>Exercise: 4.1</u> 2*, 4, 5*. <u>Exercise: 4.2</u> 6*, 7*, 9*, 10*. <u>Exercise: 4.3</u> 4, 7*, 8*. <u>Exercise: 4.4</u> 9**. 1. State & Prove Thales Theorem (or) BPT. 2. State & prove Angle Bisector Theorem (or) ABT. 3. State and prove Pythagoras (or) Baudhayana Theorem. 4. Alternate segment Theorem (Brilliant student only)
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## 8 MARK IMPORTANT QUESTIONS ( PRACTICAL GEOMETRY )

<u>Example:</u> 4.10**, 4.11*, 4.17, 4.18, 4.19, 4.30, 4.31**.	<u>Exercise: 4.1</u> 10*, 11*, 12*, 13*. <u>Exercise: 4.2</u> 11*, 12*, 13, 15. <u>Exercise: 4.4</u> 12, 13, 14**, 15*, 16.
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## CHAPTER – 5 (COORDINATE GEOMETRY)

## 2 MARK IMPORTANT QUESTIONS

<u>Example:</u> 5.1*, 5.2, 5.3, 5.4, 5.8, 5.9* (i) (ii), 5.10, 5.11, 5.12*, 5.18*(i) (ii), 5.19*, 5.21*, 5.22, 5.23*, 5.24, 5.25*, 5.30*, 5.31, 5.32, 5.33, 5.34*, 5.35*.	<u>Exercise: 5.1</u> 1*(i) (ii), 2*(i), 4*(i) (ii), 7*. <u>Exercise: 5.2</u> 3*(i) (ii), 5*, 6*, 7*, 8. <u>Exercise: 5.3</u> 3, 5, 6*, 7*(i) (ii), 8*, 10*, 12) (i) (ii). <u>Exercise: 5.4</u> 1, 3*(ii), 4*, 5, 6.
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## 5 MARK IMPORTANT QUESTIONS

<u>Example:</u> 5.6*, 5.7*, 5.15*, 5.16, 5.28*, 5.36	<u>Exercise: 5.1</u> 5*(i) (ii), 6*, 8, 9. <u>Exercise: 5.2</u> 10*, 11, 12*, 13*. <u>Exercise: 5.3</u> 9*, 14*(i) (ii). <u>Exercise: 5.4</u> 7*, 8*, 9*, 10*, 11, 12.
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## CHAPTER – 6 (TRIGONOMETRY)

## 2 MARK IMPORTANT QUESTIONS

<u>Example:</u> 6.1*, 6.2*, 6.4*, 6.5*, 6.6*, 6.9, 6.19*, 6.20*, 6.26*.	<u>Exercise: 6.1</u> 1*, 2*, 3* (i), 4, <u>Exercise: 6.2</u> 1**, 2. <u>Exercise: 6.3</u> 1* 2.
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## 5 MARK IMPORTANT QUESTIONS

<u>Example:</u> 6.8**, 6.11*, 6.13*, 6.17*, 6.21**, 6.22**, 6.23, 6.27, 6.28*, 6.29**, 6.31**, 6.32*, 6.33.	<u>Exercise: 6.1</u> 3*(ii), 6*(ii), 7**, 8 (ii), 9 (i), 10**. <u>Exercise: 6.2</u> 3*, 5, 6*. <u>Exercise: 6.3</u> 3*, 5*. <u>Exercise: 6.4</u> 1*, 2*, 3.
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## CHAPTER – 7 (MENSURATION)

## 2 MARK IMPORTANT QUESTIONS

<u>Example:</u> 7.1, 7.2*, 7.3*, 7.6, 7.8**, 7.9*, 7.10**, 7.13, 7.15*, 7.17, 7.19**, 7.20, 7.29**, 7.30**.	<u>Exercise: 7.1</u> 1*, 2, 3*, 7*, 8. <u>Exercise: 7.2</u> 3*, 6*, 7**, 9. <u>Exercise: 7.3</u> 1*, <u>Exercise: 7.4</u> 1*.
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## 5 MARK IMPORTANT QUESTIONS

<u>Example:</u> 7.5**, 7.7, 7.14**, 7.21*, 7.23**, 7.24*, 7.25, 7.26**, 7.27*, 7.31**.	<u>Exercise: 7.1</u> 5*, 6*, 9*, 10**. <u>Exercise: 7.2</u> 1*, 2*, 10**. <u>Exercise: 7.3</u> 2**, 4, 5**. <u>Exercise: 7.4</u> 4**, 6**, 7.
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## CHAPTER – 8 (STATISTICS AND PROBABILITY)

## 2 MARK IMPORTANT QUESTIONS

<u>Example:</u> 8.1**, 8.3**, 8.15**, 8.17, 8.18*, 8.20*, 8.21**, 8.22*, 8.24, 8.25**, 8.28*, 8.31*.	<u>Exercise: 8.1</u> 1*, 2**, 7**, 8, 9. <u>Exercise: 8.2</u> 1**, 2*, 3*, 4. <u>Exercise: 8.3</u> 1*, 2*, 4*, 10*, 11*. <u>Exercise: 8.4</u> 1**, 2*, 3*, 4*, 6*, 8*.
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## 5 MARK IMPORTANT QUESTIONS

<u>Example:</u> 8.4*, 8.5, 8.6*, 8.7*, 8.10**, 8.12*, 8.16, 8.19*, 8.23, 8.27*, 8.29**, 8.30**. (Addition Theorem of Probability)	<u>Exercise: 8.1</u> 4, 10*, 12*, 14. <u>Exercise: 8.2</u> 5**, 6**. <u>Exercise: 8.3</u> 3*, 6, 7*, 9*. <u>Exercise: 8.4</u> 9**, 11**, 12**, 13.
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“Teaching is not a job. It’s a Service. To Build a Future Students life”