10th MATHS – CATEGORY OF Questions

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Note: Hereby we listed the question numbers of **5 marks only** (Examples and Exercise in our Textbook) **8 mark** questions are in bold. Question number missed in this list should be treated as **2 marks** question. Graph and Practical Geometry questions are exempted.

Unit – 1: (5 Marks) RELATIONS AND FUNCTIONS

Example: 1.3, 1.4, 1.5, 1.8, 1.11, 1.16, 1.18, 1.24, 1.25

Exercise – 1.1: 4, 5, 6, 7

Exercise – 1.2: 1, 4, 5

Exercise – 1.3: 3, 4, 6, 7, 10

Exercise – 1.4: 2, 9, 10, 12

Exercise – 1.5: 8

Unit Exercise: 3, 6, 9, 10

Unit – 2: (5 Marks) NUMBERS AND SEQUENCES

Example: 2.6, 2.10, 2.11, 2.27, 2.28, 2.29, 2.30, 2.34, 2.36, 2.37, 2.39, 2.43, 2.44, 2.45, 2.51, 2.52, 2.53.

Exercise – 2.1: 6

Exercise – 2.2: 5, 7, 8, 9

Exercise – 2.3: 8, 9, 10

Exercise – 2.5: 11, 12, 13, 14

Exercise – 2.6: 4, 5, 6, 7, 8, 10, 11, 12

Exercise – 2.7: 6, 7, 9, 10, 11, 12

Exercise – 2.8: 6, 8, 10

Exercise – 2.9: 5, 6, 7

Unit Exercise: 2, 3, 5, 7, 8, 9, 10

Unit – 3: (5 Marks) ALGEBRA

Example: 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.18, 3.20-(ii),(iii), 3.21, 3.22, 3.23, 3.30, 3.33, 3.34, 3.35, 3.36, 3.38, 3.39, **3.40**, 3.43, 3.45, 3.46, 3.47, 3.63, 3.68, 3.69, 3.70.

Exercise – 3.1: 1, 2, 3, 4, 5

Exercise – 3.2: 1-(i), (ii), (iii), (iv)

Exercise – 3.3: 2, 3, 4.

Exercise – 3.5: 4

Exercise – 3.6: 5, 6, 8

Exercise – 3.7: 2-(iv),(v)

Exercise – 3.8: 1, 2, 3, 4

Exercise – 3.10: 2

Exercise – 3.11: 3

Exercise – 3.12: 2, 3, 5, 6, **7**, 8, **9**

Exercise – 3.13: 3, 4, **5**

Exercise – 3.14: 2, **3**, 4

Exercise – 3.17: 2, **3**, 6, 7, 8

Exercise – 3.18: 4, 5, 7, 8, 11, 12, 13

(Unit-3 / Contd…)

Unit Exercise: 1, 2, **3**, 4, **5**, **6**, 7, 8, 9, 10, 11, **13**, 14, 15, 16, 19, 20.

Unit – 4: (5 Marks)
GEOMETRY

Theorem: 1, 2, 3, 4, 5, 6

Example: 4.4, **4.9**, 4.14, 4.20, **4.21**, 4.22, 4.23, 4.35,

Exercise –4.1: 2, **7**, 9

Exercise –4.2: 4, 5, 6, 7, 10, 11

Exercise –4.3: 2, 3, 6, 7, 8

Exercise –4.4: 3, 6, 9, 10, 11

Unit Exercise : 1, 2, 3, 4, 5, **6,7,8**,9,**10**

Unit – 5: (5 Marks)
COORDINATE GEOMETRY

Example: 5.1, 5.2, 5.4, 5.5, 5.6, 5.11, 5.13, 5.20, 5.21, 5.22, 5.24, 5.27, 5.29, 5.37,

Exercise –5.1: 2, 4, 5, 6, 7, 8, 9,10,11

Exercise –5.2: 10, 11, 12, 13, 14

Exercise –5.3: 6, 8, 9, 11, 12, 14

Exercise –5.4: 5, 6, 7, 8, 9, 10, 11, 12

Unit Exercise: 1, 2, 3, 5, 7, 9, 10.

Unit – 6: (5 Marks)
TRIGONOMETRY

Example: 6.7, 6.8, 6.9, 6.10, 6.11, 6.12, 6.13, 6.14, 6.15, 6.16, 6.17,

6.20, 6.21, 6.22, 6.23, 6.24, 6.25, 6.28, 6.29, 6.30, 6.31, 6.32, 6.33,

Exercise – 6.1: 4, 5, 6, 7, 8, 9, 10

Exercise – 6.2: 3, 4, 5, 6, 7, 8

Exercise – 6.3: 3, 4, 5, 6

Exercise – 6.4: 1, 2, 3, 4, 5, 6

Unit Exercise : 1, 2, 3, 4, 5, 6, 7, 8, 9

Unit – 7: (5 Marks)
MENSURATION

Example: 7.7, 7.9, 7.12, 7.14, 7.16, 7.17, 7.18, 7.21, 7.22, 7.23, 7.24, 7.25, 7.26, 7.27, 7.28.

Exercise – 7.1: 4, 6, 9, 10.

Exercise – 7.2: 2, 3, 4, 5, 6, 7, 8, 9,10

Exercise – 7.3: ALL. (Qn. No.1- 8)

Exercise – 7.4: ALL (Qn. No. 1-8)

Unit Exercise: ALL (Qn. No.1 – 10)

Unit – 8: (5 Marks)
STATISTICS & PROBABILITY

Example: 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.17, 8.18, 8.20, 8.22, 8.23, 8.24, 8.25, 8.26, 8.30, 8.32, 8.33.

Exercise –8.1: 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15.

Exercise – 8.2: 5, 6, 7, 8, 9

Exercise – 8.3: 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

Exercise – 8.4: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,

Unit Exercise: ALL (Qn. No. 1 – 12)

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