

Mathematics questions for practice 2020

Unit 1

Ex. 1.1	Q6, example 1 and 2
Ex. 1.2	Q17, 18, 19 and 20
Ex. 1.3	Q1, 2, 12 and 14

Unit 2

Ex. 2.7	Q5 to 15 and example 1 to 3
Ex. 2.8	Q2 to 10 and example 2
Misc. Ex.	Q8(i, ii, iii) and 10

Unit 3

Ex. 3.6	Q2, 3, 7, 8, 9 and 10
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Unit 4

Ex. 4.4	Q9 to 12
Ex. 4.7	Q1(i to iv), 2, 3, 4 and 5(iii)
Ex. 4.8	Q2(i, v)
Ex. 4.9	Q2(i, iv, v, vi, vii), 3, 4 and 5
Ex. 4.10	Q7, 8 and 9
Misc. Ex.	Q5, 6, 8, 9, 12

Unit 5

Ex. 5.1	Complete exercise
Ex. 5.2	Q1 (i, ii, iii, iv, v, vi, vii, viii, ix) and example 1, 2 and 3
Ex. 5.3	Q1 (i, ii, iii, iv, v, vi), 2 (i, ii, iii), 3(i, ii, iii), 4(i, ii, iii, iv)
Ex. 5.4	Q1 (i, ii, iii, iv, v), 2 (ii, iii, v, iv), 3(i, ii, iii, iv, v, vi), 4(i, ii, iii, iv)
Ex. 5.5	Q1 to 5 and 7
Ex. 5.6	Q1, 3, 5 and 6
Ex. 5.7	Q1 to 9 and example 1 and 2
Ex. 5.14	Q10 to 14

Unit 6

Ex. 6.1	Q2 to 5 and 6
Ex. 6.2	Q1, 5, 6, 8 and 9
Ex. 6.3	Q1, 2, 4, 5, 6, 7, 8, 10 and example 1 and 2
Ex. 6.4	Q2, 4, 6, 7, 8, 10 and example 1
Ex. 6.5	Q1 to 5 and 8
Ex. 6.8	Q1 to 10

Unit 7

Ex. 7.4	Q5 (a, b, c)
Ex. 7.5	Q1 to 6
Misc. Ex.	Q2(iii, v)

Unit 8

Ex. 8.1	Q 1(i, ii, iii, iv, v), 2, 3(ii), 4(i, ii, iii, iv), 5(i, ii) and 7
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Unit 9

Ex. 9.1	Q1, 3, 9, 10, 11, 12
Ex. 9.2	Q1 to 5 and example 4 and 5
Ex. 9.3	Example 1

Unit 10

Ex. 10.3	Q6, 7, 8 and example 1, 3 and 4
Ex. 10.4	Q4, 6 and 9
Misc. Ex.	Q3 to 6

Unit 11

Only MCQs

Unit 12

Theorem	7, 8, 10
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Unit 13

Theorem	1, 2(b) and 4
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Unit 14

Ex. 14.4	Q1(i, ii, iii), 2(ii), 3(i, ii, iii)
Ex. 14.5	Q3, 4, 5, 6 and 7

Unit 15

Ex. 15.3	Q1(i, ii, iv), 2(iv, v, vii, viii, ix, x), 3 and example 2, 3 and 4
Ex. 15.4	Q2(ii), 3(ii, vi)
Ex. 15.5	Q1 to 5
Ratios	30° and 60°
Derivation	$\sin^2 \theta + \cos^2 \theta = 1$
Derivation	$1 + \tan^2 \theta = \sec^2 \theta$
Derivation	$1 + \cot^2 \theta = \operatorname{cosec}^2 \theta$