

1st year Math Important questions

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1. Unit 1

2. Important Definitions: 1. complex numbers 2. rational numbers 3. irrational numbers

3. Example #6 (Page#10),

4. Ex #1.1 Q.1 (ii, iii, iv) Q.4(i,ii) Q.5, Q.6(i)

5. Ex #1.2 Q.4(i, ii, iii) Q.5(ii,iii) Q.11, Q.14(ii, iii) Q.5(ii) Q.16(i, ii)

6. Ex# 1.3: Q.2(ii, iii, iv), Q.4, Q.5 (i, ii, iii), Q.6(i, ii)

7. Theorms: (iii, iv) (page#21)

8.

9. -> Also learn associative laws of addition and multiplication

10. Unit 2

11. Important Definitions: equal and equivalent sets, Singleton set, null set, finite and infinite sets

12.Exercise 2.1 Q.2(i, v, vi,ix,xii,xvi),

13.Ex # 2.2 Q.4(ii,vii),Q.5(iii.iv)

14. De Morgan's Laws,

15.Ex #2.3 (Q# 9[i], [iv]),

16. Example #4 (page#53),

17.Ex # 2.4 (Q#5),

18. Ex # 2.5 (Q#4),

19. Example #4 (page#53),

20. Solution of Linear Equations(pg.76), Reversal Law of Inverses(pg.77), Exercise 2.8: Q.5, Q.6

21.

22. Unit 3

23. Ex #3.1: Q.2, Q.3(i,ii), Q.5,8, Q.12(i, ii),

24. Ex # 3.2 Q.3(ii), Q.5(i), Q.6(iii), Q.8(ii), Q.2(ii), Q.4(iv), Q.7(i)

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25. Ex # 3.3 Q.1(i), Q.2(i,ii,iii), Q.3(ii,iii,iv), Q.4(ii),
Q.5(i,iii,v), Q.6(i,iii),
26. Ex # 3.4: Q.6(i), Q.8, Q.10(ii, iii), Example 3:
(pg.137), Q.5
27. Ex # 3.5: Q.1(iii), Q.2(ii), Q.4(ii)
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29. Unit 4

30. Ex # 4.1 (Q. 8), Example #6 (page#406)..
31. Example #4 (page#145)
32. Ex # 4.2 (Q. 10, 14, 24),
33. Ex # 4.3 (Q. 5, 12),
34. Three cube roots of Unity,
35. Ex # 4.4 (Q. 3[i], [iii], Q. 5),
36. Ex # 4.5 (Q. 16),
37. Ex # 4.6 (Q. 2, 3[ii], 4, 6, 9),
38. Nature Of The Roots of a
39. Quadratic Equation.,
40. Ex # 4.7 (Q. 5, 8),
41. Ex # 4.8 (Q. 5),
42. Ex # 4.9 (Q. 5, 8),
43. Ex # 4.10 (Q. 13,17)
- 44.

45. Unit 5

46. Ex # 5.1 Q. 4,7,10, Q.5, Example 1: (pg.184),
Example 2: (pg.184),
47. Ex # 5.3 Q.1,10, Example 1: (pg.188) Q.3,6,8
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49. Unit 6

50. Ex# 6.1 Q.1(ii,iii, v,vi,vii, viii)
51. Ex # 6.2 Q.4,7,8,9,12, 2,6,13,

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52. Ex # 6.8 (Q. 3[ii, iv], 8),
53. Ex # 6.10 Q.1(i), Q.2(ii), Q.7,8,12,13, Q.14(i), Q.15(i),
Q.17
54.
55. **Unit 7**
56. Ex # 7.2 Q.1(i,iii,v), Q.2(i,ii,iii), Q.3,4,6,10,11, Example
#1 (page#237
57. Ex # 7.3 Q.1(ii, iii), Q.4,12, Q.3,11,
58. Ex # 7.4: Q.1(i,ii,iii), Q.2(i,ii,iii), Q.3(i) Q.4,10,
59. Ex # 7.5 Q.3(i, ii)
60. Ex # 7.7 (Q. 2, 5),
61. Example 3: (pg.238)
- 62.
63. **Unit 8**
64. Ex # 8.1 Q.1,3,5,7,15,22,
65. Ex # 8.2 (Q. 7[i], 9[i], 10[i, ii])
66. Ex # 8.3 (Q. 3[iii], 4[iv,vi],12, Q.5,7,11
67.
68. **Unit 9**
69. Ex # 9.1 Q.1(ix,xii,xiii), Q.2(ii,vi,xv), Q.3, Q.4(i), Q.5(ii),
Q.6(i), Q.7
70. Ex # 9.2 Q.3(iv,v,vi), Q.4(ii)
71. Ex # 9.3 Q.1(i,ii, iii. iv), Q.2(i), Q.3(i,ii), Q.4, Q.5(iv,vii),
Q.6(v,ix)
72. Ex # 9.4 Q.5,6,7,9,10
73.
74. **Unit 10**
75. Ex # 10.1 (Q. 3[iii]),
76. Ex # 10.2 Q.1(iii,vi), Q.3(ii), Q.7(ii), Q.11, Example 1:
(pg.330),

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77. Ex # 10.4 Q.1(i,iii,iv,v), Q.2(v,vi), Q.3(ii), Q.4
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79. **Unit 11**

80. Ex # 11.1 (Q. 5, 9)
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82. **Unit 12**

83. Ex # 12.3 Q.1,5,3,9

84. Ex #12.6 Q.2,6,7,10 Q.1,8,

85. Ex # 12.8 Q.1(i), Q.3(iii), Q.5(iv), Q.6(i), Q.7(i), Q.12
86.

87. **Unit 13**

88. Ex # 13.1: Q.1(iv,v,vi), Q.2(i,iii), Q.3(iii,iv,vii),

89. Ex # 13.2: Q.3,11,17,18,19
90.

91. **Unit 14**

92. Example 1-3: (pg.401&402), Example 1,2,4,5:
(pg.403,405 & 406),

93. Ex # 14: Q.1(ii,iv), Q.2(i,iii), Q.3,5
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