

HSC – MATHS IMPORTANT - 6 MARK QUESTIONS

2017

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| HSC – MATHS IMPORTANT - 6 MARK QUESTIONS | |
| EXERCISE | EXAMPLES |
| CHAPTER – I | |
| 1.1 - 2,5,8,10,4 1.2 - 1,2 1.3 - 3,4,5,6 1.4 - 3 1.5 - 1(iii), (iv) | 1.3, 1.5(iv) 1.6, 1.7 1.12, 1.13, 1.14,1.15, 1.16, 1.17(2) 1.18 – 3, 5 *state and prove reversal law of inverse of matrices |
| CHAPTER – II | |
| 2.2 – 2,1,8 2.3 – 9 2.4 – 8,10,1,6 2.5 – 4,7,8,10,11 2.6 – 6,7 2.7 – 2,5,4 2.9 – 2,4,3,1 2.11 – 1,2,3,6 | 2.15, 2.26, 2.28, 2.38, 2.42, 2.43 2.46, 2.59, 2.63, 2.64, 2.65 2.14,2.12,2.13,2.24,2.25,2.27.2.40,2.33 2.57,2.58,2.56,2.55,2.53,2.48,2.49 |
| CHAPTER – III | |
| 3.1 – 4(i),(iii),(ii),5 3.2 – 2,4, 8(ii), (iv),7 3.3 – 1,2,3 3.4 – 2,4(i), (ii), (iii),7,9,3(i),(ii),(iii),(iv) 3.5-1(ii),2(i),(ii),3(i),(iii),4(i) | 3.10, 3.16,3.17 3.15, 3.19 3.20. 3.21,3.13,3.14 p.t $\arg(z_1/z_2)=\arg z_1+\arg z_2$ p.t $\arg(z_1/z_2)=\arg z_1-\arg z_2$ State and prove triangle inequality |
| CHAPTER – IV | |
| 4.1 – 3,4 4.3- 1(iii) 4.4 – 1(iii),4(iii),(ii),(i) 4.5 – 1(ii), 2-(i),3-(iii) 4.6 – 4,7,5,1,2,6(ii) | 4.11,4.15,4.18,4.20, 4.16, 4.17, 4.9,4.36, 4.43,4.24,4.39,4.58 4.64, 4.67, 4.68,4.70,4.71,4.69,4.66,4.65,4.62,4.34 |
| CHAPTER – V | |
| 5.1 - 2,7,4 5.2 – 6,8,9,4,2,3 5.3 – 2 5.4 – 1(iii)(iv),(v),2,3 5.5 – 3,4 5.6 – 10,13,12,2,9 5.7 – 5(i),(ii),(vi) 5.9 – 2(iv), v, i,vi, 1(iii),3(i),(iii) 5.10 -1,2,6 5.11 – 3.1 | 5.10, 5.11,,5.24,5.25,5.45, 5.19,5.22(v), 5.23 5.28 – 2,3 5.33, 5.36 5.40, 5.48, 5.65, 5.66 5.39, 5.38,5.30,5.31,5.41,5.42,5.43,5.46 5.12,5.16,5.49,5.50,5.62 |

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| CHAPTER - VI | |
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| 6.1 – 3- i,ii,iii 6.3 – 3-iii,i,ii,iv, 4-ii,i,iii, 5(ii), (iii), (iv) 1-i | 6.15, 6.16, 6.17, 6.19 6.21, 6.3, 6.5, 6.7 6.6,6.2 |
| CHAPTER – VII | |
| 7.1 – 8,10,6,7 7.2 – 7,8,10,9 7.3 – 4(i), 3(i),(ii) 7.4 – 6,10,14 | 7.11, 7.12,7.4,7.7,7.9,7.14,7.22,7.24 7.16,7.15 (iii),(iv) 7.10,7.24, 7.35 7.36,7.23(i) |
| CHAPTER – VIII | |
| Ex. 8.1 – 2(ix), 4 Ex. 8.2 – 5,6,3,8 Ex. 8.3 – 1,3,4 Ex. 8.4 – 1,2,6,4,8 Ex. 8.5 – 8,3,4,5,14,12,7,13 | 8.3, 8.8,8.33,8.20,8.36, 8.17, 8.21, 8.28,8.30,8.32, 8.16,8.15, 8.14, 8.12, 8.27, 8.26 8.29, 8.32, 8.35, 8.4, 8.5,8.9,8.11 |
| CHAPTER – IX | |
| Ex.9.2–10,7,6 Ex.9.3– 1(iii),(v),(i),(ii),(iv),4,5,6,7,2,3 | 1.State and Prove cancellation law 2.state and prove reversal law of groups 9.12, 9.14, 9.15, 9.19.17,9.20,9.5,9.6,9.10(i),(ii),9.16,9.11,9.13, |
| CHAPTER - X | |
| 10.1 – 1,4,6,2,3 10.2 – 3,4,5,6, 7(i),(ii),(iii) 10.3 – 4,5 10.4 – 3,4 10.5 – 3,4,6,7 | 10.13, 10.14,10.6,10.11,10.12,10.8 10.15, 10.16 10.17, 10.18 10.23, 10.24,10.25, 10.1,10.4,10.5 |

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HSC – MATHS – IMPORTANT – 3 MARK QUESTIONS

| <i>EXERCISE</i> | <i>EXAMPLES</i> |
|---|--|
| 1.4 – 1,2 2.1 – 2,12 ,13,7, 2.2 – 6,7 2.3 – 8,10,3,7,4 2.4 – 9 , 2.5 – 1,2,3,6,9 2.6 – 6,8,9,5 2.7 – 6 2.10 – 1,2, 3,4 2.11 – 5(iii), (iv),4 3.1 – 1(i), 2(i),(ii), 3 3.5 – 3(ii),1(i),3.4-1, 3.2-1,3, 5.6- 5 , 5.7 – 1,2,5.3-1(i),(iv) 6.1-2(ii), 6.3-2(i),(ii) 7.1 – 1,5,11,12 7.2- 1,2,6,7.3-2(i),(ii) 9.2-1 to 8, 10.1 – 5,9 , 10.2-2,10.3 – 6,3,1,2 10.4- 1,2 | 1.17-(1),(3), 1.11, 1.5(i),(ii),(iii),1.20 2.6, 2.9,2.11, 2.20, 2.22,2.21,2.60, 2.34,2.47,2.41,2.61, 2.32, 2.31,2.8,2.19,2.10,2.35 3.4(iv),3.5,3.12,3.18 5.61,5.28(i),5.32,5.44,5.47 5.59,5.22(i)(iii),5.21(i) 6.4,6.8 7.1, 7.2, 7.3 7.4, 7.6,7.15(i),(ii) 8.2(i), (ii), (iv) 8.20, 8.21, 8.22,9.4(i),(ii) 10.7, 10.09 10.19, 10.22 10.21 |

Note:

1. Two subdivision may be included in utmost 3 questions in Public exams
2. Bold numbers are (Govt Public Exam) previously asked questions
3. Most important 6 mark exercises are **1.1,1.3, 2.5,2.7,2.11, 3.2, 3.4, 4.6, 5.4, 5.5, 5.7, 9.2, 9.3, 7.2, 8.4, 10.2 and 10.5**
4. 7 – six mark questions from examples and 8 – six mark question from exercise

- - - Best Wishes –

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