

### Weightage Analysis for Mathematics (IIT-JEE 2010)

Topic	MM	2010		TOTAL
		Paper-I	Paper-II	
		<b>84</b>	<b>79</b>	<b>163</b>
<b>Basics</b>		0	0	0
<b>Co-ordinate Geometry (2-D)</b>		<b>12</b>	<b>12</b>	<b>24</b>
Straight line		0	0	0
Circle		0	3	3
Parabola		3	0	3
Ellipse		0	9	9
Hyperbola		9	0	0
<b>Algebra</b>		<b>27</b>	<b>29</b>	<b>56</b>
Complex number		6	8	14
Binomial Theorem		0	5	5
Sequence & Series		3	3	6
Permutation & Combination		0	5	5
Quadratic equation		3	0	3
Matrices & Determinants		12	3	15
Probability		3	5	8
Mathematical induction		0	0	0
<b>Trigonometry</b>		<b>15</b>	<b>5</b>	<b>20</b>
Solution of triangle		6	3	9
Trigo. Ratio & identities		3	0	3
Trigonometric equation		6	0	6
Inverse Trigonometric function		0	2	2
Height & distance		0	0	0
<b>Differential Calculus</b>		<b>6</b>	<b>14</b>	<b>20</b>
Functions		0	5	5
Limit of function		0	0	0
Continuity & Derivability		0	0	0
Maxima & Minima		3	3	6
Monotonicity, curvature and mean theorems		3	6	9
Differentiation (MOD)		0	0	0
Tangent & Normal		0	0	0
<b>Integral Calculus</b>		<b>12</b>	<b>5</b>	<b>17</b>
Indefinite integration		0	0	0
Definite integration		12	2	14
Area under curve		0	3	3
Differential equation		0	0	0
<b>Co-ordinate Geometry (3-D)</b>		<b>6</b>	<b>7</b>	<b>13</b>
<b>Vector</b>		<b>6</b>	<b>7</b>	<b>13</b>
<b>TOTAL</b>		<b>84</b>	<b>79</b>	<b>163</b>