

**Indian School Muscat**  
**Topics and Format of the Final Examination (2020-2021)**  
**Class 12 - Mathematics**

Sr. No.	Unit name	Chapter Name	Weightage
1.	<b>Relations and Functions</b>	1. Relations and Functions 2. Inverse Trigonometric Function	<b>8</b>
2.	<b>Algebra</b>	3. Matrices 4. Determinants	<b>10</b>
3.	<b>Calculus</b>	5. Continuity and differentiability 6. Application of Derivatives 7. Integration 8. Application of Integration 9. Differential Equations	<b>35</b>
4.	<b>Vectors and 3 - Dimensional Geometry</b>	10. Vectors 11. 3 Dimensional Geometry	<b>14</b>
5.	<b>Linear Programming Problems</b>	12. LPP	<b>5</b>
6.	<b>Probability</b>	13. Probability	<b>8</b>
		<b>Total marks</b>	<b>80</b>

<b>FORMAT OF THE QUESTION PAPER</b>					
	TYPE OF QUES	Marks	x	Number of Questions	Total Marks
<b>PART A</b> (Objective)	1 mark	1	x	16	16
	Case Study	4	x	2	08
<b>PART B</b> (Descriptive)	VSA (2marks each)	2	x	10	20
	SA (3 marks each)	3	x	7	21
	LA (5 marks each)	5	x	3	15
Total number of questions				<b>38</b>	<b>80</b>

**Both Part A and Part B will have internal choices for few questions. Students are required to attempt only one of the two choices.**

**Each of the two case study will comprises of 5 case-based MCQs. An examinee is to attempt any 4 out of the 5 MCQs. Total writing time will be 3 hrs.**