

CLASS XII Fortnightly Breakup (Academic Session 2018-19)

MATHEMATICS

S.No.	Fortnight	No. of days	Chapter No. Main Topic	Sub Topics	Pds	Total No. of periods	Assignment Date	Monday Test Date/Syllabus
1	19 Mar-28 March	08	3. Matrices 4. Determinants	1. Introduction - Defn., Types 2. Operations on Matrices 3. Specifications on Operations 4. Inverse and elementary operations 1. Introduction	2 2 2 4 2	12		
2	2 April-13 April	11	4. Determinants (contd.) 1. Relations and Functions	2. Properties 3. Applications 4. Solutions of system of linear equations 1. Types of Relations	5 4 4 5	18	PMT Assignment Cycle 1 06.04.18	
3	16 April-27 April	11	1. Relations and Functions (contd.) 2. Inverse Trigonometric Functions	2. 1-1 & onto functions 3. Inverse 4. Binary Operations 5. Miscellaneous 1. Introduction 2. Graphs	4 3 4 4 2 1	18		Monday Test Cycle 1 16.04.18 Ch – 3 & 4 (Ex. 4.1, 4.3 & 4.4 only)
4	1 May-18 May	15	2. Inverse Trigonometric Functions (contd.) 5. Continuity & Differentiability	2. More on Graphs 3. Properties and Recap 1. Continuity 2. Composite Functions 3. Chain Rule 4. Implicit Functions 5. Inverse Trigonometric Functions 6. Logarithm and Exponential Fns.	4 4 4 1 2 2 3 4	24		

5	21 May-25 May	05	5. Continuity & Differentiability (contd.)	7. Parametric form 8. Mean Value Theorems 9. Miscellaneous problems	2 3 3	8		
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Completion of syllabus 25th May 2018

Summer Vacations from 26th May to 28th June 2018

First Term Exam 29th June to 09th July 2018

PTM on 28th July 2018

6	10 July -31 July	16	6. Application of Derivatives 7. Integrals Revision	1. Rate of Change 2. Increasing / Decreasing Functions 3. Tangents and Normals 4. Differential Approximation 5. Maxima / Minima 1. As an inverse of derivative 2. Techniques of Integration 1. Revision of Ch 1 to 5	3 4 4 3 5 3 2 2	26	Cycle1 Assignment 27.07.18 Ch – 1, 2 & 5	
7	01 Aug-18 Aug	13	7. Integrals (contd.)	3. More Techniques of Integration 4. As limit of sum 5. Definite Integrals 6. Properties 7. Miscellaneous problems	8 3 2 4 4	21		
8	20 Aug-31 Aug	09	8. Application of Integrals Revision	1. Graphs 2. Area 1. Revision of Ch 6 to 8	3 8 3	14		

Completion of syllabus 31st Aug 2018

Revision 04th Sep – 06th Sep 2018(02 days)

Mid Term Exams 12th Sep to 22nd Sep 2018

Mid Term Practical Exams 07th Sep, 08th Sep, 24th Sep & 25th Sep 2018

PTM on 13th Oct 2018

9	26 Sept-17 Oct	15	9.Differential Equations 10.Vector Algebra	1.Introductory Concepts 2. Formation of D.E. 3. Variable separable form 4. Homogeneous D.E. 5.Linear D.E 1. D.C.'s, D.R.'s of a vector 2. Operations on Vectors 3. Dot and Cross Product	2 4 4 3 3 2 2 4	24		
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DUSSEHRA BREAK: 18thOct – 21st Oct 2018

9	22Oct-03 Nov	10	10.Vector Algebra (contd.) 11.3-D Geometry	4. More on Cross Product 5. Scalar Triple Product 1.D.C.'s,D.R.'s of a line 2.Lines in 3D 3. Planes 4. Distance of a Point from a plane	2 3 2 4 4 1	16		
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DIWALI BREAK: 05 Nov – 11 Nov 2018

11	12 Nov-07 Dec	18	11.3-D Geometry (contd.) 13.Probability 12.Linear Programming Revision	5.Line & a plane 1.Conditional Probability 2.Multiplication rule 3.Baye's Theorem 4.Probability Distribution 5.Binomial distribution 1. Introductory Concepts 2. Formation of problems 3. Graphical Solutions 1. Revision of Ch 9 to 13	4 3 2 3 3 3 2 2 4 3	29	PMT Assignment Cycle 2 15.11.18	Monday Test Cycle 2 26.11.18 Ch – 9, 10 & 11
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Completion of Syllabus by 07th Dec 2018

Revision 10th Dec – 11th Dec 2018

Pre Board Practical Exams 12th Dec - 15th Dec 2018

Pre Board Exams 20th Dec 2018 to 14th Jan 2019

Winter Break 31st Dec 2018 to 09th Jan 2019

PTM on 28th Jan 2019(Pre Board)