THE AIR FORCE SCHOOL : SUBROTO PARK : DELHI CANTT-110010

Class – X

Sub: MATHEMATICS

Weekly Syllabus

Academic Session 2023-24

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
Apr-23	I	01	**01-Working Saturday (Student)**	01		CH 8:Introduction to trigonometry	Introduction Trigonometric Ratios Ex-8.1 trigonometric Ratios of some specific angles Ex-8.2 DONE DURING BLOCK TEACHING	
	II	03-07	**04 - Mahavir Jayanti** **07 – Good Friday**	03		CH 8:Introduction to trigonometry	trigonometric Identities Ex-8.3 Extra questions on trigonometry	

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	III	10-14	**14 - Ambedakar Jayanti**	04		CH1 : Real numbers	Introduction The fundamental theorem of arithmetic Ex 1.1 Revisiting irrational numbers Ex 1.2	
	IV	17-21		05		CH2: Polynomials	Introduction Geometric meaning of zeroes of a polynomial Ex 2.1	
	V	24-29	**29-Working Saturday (Student)** **29 – Parent Orientation VI & IX**	06		CH2:Polynomials CH3:Pair of linear equations in two variables	Relationship between zeroes and coefficients of a polynomial Ex 2.2 Introduction Graphical method of solution of pair of linear equations	
May-23	I	01-05	**05 – Budha Purnima**	04		CH3:Pair of linear equations in two	Ex 3.1	**ES-1 (XII)/ CT-1 (X)**

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			01-04 : ES-1 (XII)/ CT-1 (X)			variables	Algebraic methods of solving a pair of linear equation Substitution method Ex 3.2	**Date: 01-08 May** Ch.-8 Introduction toTrigonometry Ch.-1 Real numbers
	II	08-12	**08 : ES-1 (XII)/ CT-1 (X)** **11,12 – The Quest**	05		CH3:Pair of linear equations in two variables	Elimination method Ex 3.3	
	III	15-20	**20- Working Saturday (Open House X & XII)**	06		CH6:Triangles	Introduction Similar figures Ex 6.1	
******* SUMMER BREAK 22 MAY -30 JUN 2023 ********								
Jul-23	I	01-	01- School reopens for staff	01				**PT-I** **Class VI-X Date: 07 Jul – 19Jul**

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
	II	03-07		05		CH6:Triangles	Similarity of triangles Ex 6.2 Criteria for similarity of triangles Ex 6.3	**ES-2 (XII): 07 Jul – 19Jul** Ch -1 Real numbers Ch.-2 Polynomial Ch.-3 • Pair of Linear Equations in two variables Ch.-8 • Introduction toTrigonometry
	III	10-14		05		CH6:Triangles CH7:Coordinate geometry	Ex 6.3 continued Introduction	
	IV	17-22	**22 – Working Saturday (Students)**	06		CH7:Coordinate geometry	Distance formula Ex 7.1 Section formula Ex 7.2	
	V	24-28	**29-Muharram**	05		CH 11:Areas related to circles	Areas of sector and segment of a circle	

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							Ex 11.1	
	VI	31		01		CH 11:Areas related to circles	Ex 11.1 continued	
Aug-23	I	01-05	**05 – Working Saturday (Open House (VI-X), XII)**	05		CH14:Probablility CH9:Some applications of trigonometry	Probability a theoretical approach Ex 14.1 Heights and distance Ex 9.1	
	II	07-11		05		CH4:Quadratic equations	Ex 9.1 continued Introduction Ex 4.1 Solution of a quadratic equation by	

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							factorization Ex 4.2 Nature of roots Ex 4.3	
	III	14-18	**15 – Independence Day**	04		CH13:Statistics	Introduction Mean of group data Ex 13.1	
	IV	21-26	**24,25-Class Test** **26-Working Saturday (Students)** **26-Annual Prize Distribution**	06		CH13:Statistics	Mode of group data Ex 13.2 Median of group data Ex 13.3	**ES-1 (XI): 21 Aug – 25 Aug**

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	V	28-31	**30-Raksha Bandhan** **28,29 -Class Test**	03		REVISION	REVISION	
Sep-23	I	01	**01 -Class Test**	01		REVISION REVISION	REVISION REVISION	
	II	04-08	**07-Janmashtami**	04		Mid Term/ HYE Exam		**Mid Term (PT-II)/ HYE** **Date 11-23 Sep** Ch.-1 Real Numbers Ch.-2 Polynomial Ch.-3 Pair of Linear Equations in two variables Ch.-4Quadratic
	III	11-16	**16 – Working Saturday (Students)**	06				
	IV	18-23	**23 – Working Saturday (Students)**	06				
	V	25-30	**28-Milad-un-Nabi**	04		CH10:Circles	Introduction	

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							Tangent to a circle Ex 10.1 Number of tangents from a point on a circle Ex 10.2	Equations Ch.-6 Triangles Ch.-7 Coordinate Geometry Ch.-8 Introduction to Trigonometry Ch-9 – Some applications of trigonometry Ch.-11 Areas related to circles Ch-13 Statistics Ch.-14 Probability
Oct-23	II	02-07	**02-Mahatma Gandhi's Birthday** **07-Annual Prize Distribution**	05		CH5:Arithmetic progression	Ex 10.2 continued Introduction Ex 5.1	
	III	09-14	**14- Working Saturday(Open**	06				

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			House VI-XII)			CH5:Arithmetic progression	Ex 5.1 continued Nth term of an arithmetic progression Ex 5.2 Sum of first nth terms of an AP Ex 5.3	
	IV	16-20		05		CH 12: Surface area and volumes	Introduction Surface area of a combination of solids Ex 12.1	
	V	23-27	**23– Autumn Break** **24- Dussehra** **28-Maharishi Valmiki's Birthday**	03		CH 12: Surface area and volumes	Volume of a combination of solids Ex 12.2	
	VI	30-31		02		CH 12: Surface area and volumes	Ex 12.2 continued	

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***** Autumn Break 23 Oct 2023 *****								
Nov-23	I	01-04	**01– Karwa Chouth** **04 – Working Saturday (Students)**	03		REVISION	REVISION	
	II	06-10	**07 – Annual Day**	05		REVISION	REVISION	
	III	13-18	**11-15 – Diwali Break**	03				**PT-III (VI-VIII):** 17 Nov-14 Dec **PT-III (IX & X):** 20 Nov-30 Nov **ES-2 (XI):** 21 Nov-14 Dec **MPB (XII):** 20 Nov-30 Nov Ch.-1 Real Numbers
	IV	20-24		05				
	V	27-30	**27 – Guru Nank's**	03				

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			Birthday					Ch.-2 Polynomial Ch.-3 Pair of Linear Equations in two variables Ch.-4Quadratic Equations Ch.-5Arithmetic Progressions Ch.-6 Triangles Ch.-7 Coordinate Geometry Ch.-8 Introduction to Trigonometry Ch-9 – Some applications of trigonometry Ch.-10 Circles Ch.-11 Areas related to circles Ch.-12 Surface area and volumes Ch-13 Statistics Ch.-14 Probability
Dec-23	**I**	01-02	**01,02 – Annual Athletic Meet**	02				
	II	04-09	**09 – Sports Day**	06				
	III	11-16	**16-Working Saturday, Open House (IX,X & XII)**	06				
	IV	18-22	**20-22 – TAFS MUN** **24,25 – Christmas Holidays**	05				

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*** Winter Break from 26 Dec to 05 Jan 2024 ***								
Jan-24	I	08-12		05				Pre-Board (X & XII): 09 Jan-23 Jan Entire syllabus (same as PT-III)
	II	15-20	20-Working Saturday, Open House (VI-VIII, XI)	06				
	III	22-27	26-Republic Day 27- Farewell XII	05				
	IV	29-31		03				
Feb-24	I	01-03	01,02- Class Test 03-Working Saturday, Citation Ceremony, Open House (X& XII)	03				
	II	05-09	05-08- Class Test	05				Annual Exam Class IX & XI – 07 Feb-21 Feb 2023
	III	12-16		05				
	IV	19-23		05				
	V	26-29		04				
Mar-24	Annual Exam Classes VI-VIII – 26 Feb-11 Mar 2024							

Note: The examination syllabus as mentioned above is to be considered Tentative. The final syllabus for each exam will be uploaded on the website along with the Date Sheet at the time of the examination.