

Shri Gujrati English Medium Hr. Sec. School

Class- XII A

Subject- Mathematics

Teacher's Name-Dr. Badri Vishal Padamwar

Lesson plan for the month- June 2020

Week	Chapter/Topic	Learning outcomes	Resources	Activity	Inculcation of art integration
1 st week	Revision of Inverse Trigonometric Functions & Matrices	(1)Observe the behaviour of inverse trigonometric functions through graphical representations. (2)To be able to understand how to restrict the domain & co-domain of trigonometric function to make them bijective function to define their inverses. Concept of elementary Row & Column operations. (3)Method of finding the inverse of matrices if exist using elementary operations.	NCERT Book, NCERT Exemplar Book, Chalk, Duster, Desktop, Wifi Connection.	Previous 5 years question papers.	
2 nd week	Revision of Matrices & Determinants	(1)Expansion of determinants, properties , minor & co-factor, adjoint of matrix. (2)Application of determinants & matrix. (3)Solution of system of linear equation $AX=B$ by using $X=A^{-1}B$. Concept of elementary Row & Column operations. (4)Method of finding the inverse of matrices if exist using elementary operations.	NCERT Book, NCERT Exemplar Book, Chalk, Duster, Desktop, Wifi Connection.	Previous 5 years question papers.	
3 rd week	Continuity	(1)Continuity & differentiability (2)Derivative of composite function & chain rule	NCERT Book, NCERT Exemplar Book, Chalk, Duster, Desktop, Wifi Connection.	(1)Some practical problems based on Continuity. (2)Basic formulas of differentiation & differentiation of composite function & chain rule.	
4 th week	Continuity	(1)Derivative of Inverse Trigonometric functions & implicit functions.	NCERT Book, NCERT Exemplar Book, Chalk, Duster, Desktop, Wifi Connection.	(1)Differentiation of Inverse Trigonometric Functions.	