SAINIK SCHOOL BALACHADI, JAMNAGAR

LESSON PLAN FOR THE ONE MONTH ONLINE CLASSES SESSION 2020-21

1   SUBJECT   :-   **MATHEMATICS**

2   CLASS   :-   **XI**

3   MODE OF TEACHING :-   **CHALK AND TALK +DISCUSSION + LECTURE + ACTIVITY**

4   INFRASTRURE REQUIRED:-   **USING AVALIABLE INFRASTURE**

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S/NO	CHAPTER NAME	TOPIC	VIDEO TO BE SHOWN BEFORE	NCERT ALTERNATE ACTIVITY/ANY ACTIVITY	PRESENTATION	ASSIGNMENT AND ACTIVITY
1	SETS-	INTRODUCTION SET AND THEIR REPRESENTATION THE EMPTY SET FINITE AND INFINITE SETS	https://www.youtube.com/watch?v=80WDCUHJSKQ https://www.youtube.com/watch?v=bpMG-q9J9CE&list=PLr6TOxpiWwuHNSUbwPDOwleDBTwkLqnOJ&index=2 https://www.youtube.com/watch?v=q7B-QtU4s3E&list=PLr6TOxpiWwuHNSUbwPDOwleDBTwkLqnOJ&index=3	QUIZ	CHALK AND TALK WITH SUITABLE POWER POINT PRESENTATION ON THE TIME OF LECTURE	NCERT BOOK EXERCISE EXERCISE 1.1 EXERCISE 1.2 EXERCISE 1.3

		EQUAL SET EXERCISE 1.2 SUBSETS SUBSETS OF SET OF REAL NUMBERS INTERVALS AS SUBSETS OF R POWER SET UNIVERSAL SET VENNN DIAGRAME OPERATIONS ON SETS DIFFERENCE OF SETS COMLPEMENT OF SET PRACTICAL PROBLEMS ON UNION AND INTERSECTION OF TWO SETS	https://www.youtube.com/watch?v=HazbYmMGGEg&list=PLr6TOxpiWwuHNSUbwPDOwleDBTwkLqnOJ&index=4 https://www.youtube.com/watch?v=T_Ls593Sj24&list=PLr6TOxpiWwuHNSUbwPDOwleDBTwkLqnOJ&index=5			EXERCISE 1.4 EXERCISE 1.5 EXERCISE 1.6 MISC. EXERCISE , SOLVED EXAMPLE GIVEN IN THE TEXT BOOK AND QUIZ
2	RELATION AND FUNCTION	INTRODUCTION Cartesian Products of Sets Relations	https://www.youtube.com/watch?v=iH6Mt9u-fpc&list=PLr6TOxpiWwuEPmhC2dKzFEEa0s9fKIFxa https://www.youtube.com/watch?v=afgQU38AK_Y&list=PLr6TOxpiWwuEPmhC2dKzFEEa0s9fKIFxa&index=2	QUIZ	CHALK AND TALK WITH SUITABLE POWER POINT PRESENTATION ON THE TIME OF LECTURE	NCERT BOOK EXERCISE, SOLVED EXAMPLE GIVEN IN THE TEXT BOOK

		Functions **Some functions and their graphs**	https://www.youtube.com/watch?v=EAyZjyvH5Tw&list=PLr6TOxpiWwuEPmhC2dKzFEEa0s9fKIFxa&index=3 https://www.youtube.com/watch?v=bHICS6q1Xqo&list=PLr6TOxpiWwuEPmhC2dKzFEEa0s9fKIFxa&index=4 https://www.youtube.com/watch?v=hJXl74azyeI&list=PLr6TOxpiWwuEPmhC2dKzFEEa0s9fKIFxa&index=5 https://www.youtube.com/watch?v=N8RbmsNWJe4&list=PLr6TOxpiWwuEPmhC2dKzFEEa0s9fKIFxa&index=6			AND QUIZ
3	**TRIGNOMETRY FUNCTION**	**INTRODUCTION** **Angles** **Degree measure** **Radian measure** **Relation between radian and real numbers** **Relation between degree and radian** **Notational Convention**	https://www.youtube.com/watch?v=CvzaLY2317M&list=PLr6TOxpiWwuHmhMkxRVTywrdBXc5rA3QO&index=1 https://www.youtube.com/watch?v=aIs6FIA2Ymk&list=PLr6TOxpiWwuHmhMkxRVTywrdBXc5rA3QO&index=2 https://www.youtube.com/watch?v=-RPUJUbwRqc&list=PLr6TOxpiWwuHmhMkxRVTywrdBXc5rA3QO&index=3 https://www.youtube.com/watch?v=xlIwia0R6_4&list=PLr6TOxpiWwuHmhMkxRVTywrdBXc5rA3QO&index=4 https://www.youtube.com/watch?v=nkyLEQMAw_U&list=PLr6TOxpiWwuHmhMkxRVTywrdBXc5rA3QO&i	QUIZ	CHALK AND TALK WITH SUITABLE POWER POINT PRESENTATION ON THE TIME OF LECTURE	NCERT BOOK EXERCISE EXERCISE 3.1 EXERCISE 3.2 EXERCISE 3.3 EXERCISE 3.4 MISC. EXERCISE , SOLVED EXAMPLE

		Trigonometric Functions **Sign of trigonometric functions** **Domain and range of trigonometric functions** **Trigonometric Functions of Sum and Difference of Two Angles** **Trigonometric Equations**	ndex=5 https://www.youtube.com/watch?v=UPK6BUNskgY&list=PLr6TOxpiWwuHmhMkxRVTywrdBXc5rA3QO&index=6 https://www.youtube.com/watch?v=PxiH2PTEnJY&list=PLr6TOxpiWwuHmhMkxRVTywrdBXc5rA3QO&index=7 https://www.youtube.com/watch?v=ClWiaai4pJ4&list=PLr6TOxpiWwuHmhMkxRVTywrdBXc5rA3QO&index=8 https://www.youtube.com/watch?v=fySGJWmhXEo&list=PLr6TOxpiWwuHmhMkxRVTywrdBXc5rA3QO&index=9 https://www.youtube.com/watch?v=536QYG9lIcQ&list=PLr6TOxpiWwuHmhMkxRVTywrdBXc5rA3QO&index=10			GIVEN IN THE TEXT BOOK AND QUIZ
4	**PRINCIPAL OF MATHEMATICAL INDUCTION**	**INTRODUCTION** **MOTIVATION** **THE PRINCIPLE OF MATHEMATICAL INDUCTION** **EXERCISE**	https://www.youtube.com/watch?v=GtGTB4AfL1I https://www.youtube.com/watch?v=Q7TPkCMHQ5k&list=PLZihDlFUnEcw2veGoUBjCmRz3hBLtmiFv&index=2 https://www.youtube.com/watch?v=YtV9TKLYnUA&list=PLZihDlFUnEcw2veGoUBjCmRz3hBLtmiFv&index=3 https://www.youtube.com/watch?v=tK-1XM_lK4Q&list=PLZihDlFUnEcw2veGoUBjCmRz3hBLtmiFv&index=4 https://www.youtube.com/watch?	QUIZ	CHALK AND TALK WITH SUITABLE POWER POINT PRESENTATION ON THE TIME OF LECTURE	NCERT BOOK EXERCISE, SOLVED EXAMPLE GIVEN IN THE TEXT BOOK AND QUIZ

			v=3pgs4OYJwG0&list=PLZihDlFUnEc w2veGoUBjCmRz3hBLtmiFv&index =7			

N.B :-THIS   E- LESSON PLAN IS FOR ONE MONTH.

MAHESH BOHRA

PGT MATHEMATICS

S S BALACHADI