



FOR GOD AND COUNTRY

# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus planning for the academic year 2020

TERM: Pre Test

CLASS: 12

TEACHERS' NAMES: Sukumar Mandal , Sanjay Bhattacharya and Chaitali Roy.

No. of working days: 03

No. of periods available: 03

Subject: MATHEMATICS

SECTION: A1, A2, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY					
FEBRUARY					
MARCH					
APRIL	03	Relation and Mapping	Types of relation and mapping	Selected sums from the exercises of Relation and Mapping	Selected sums from the exercises of Relation and Mapping

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

Submitted Date: 27.01.2020

Signature of Teachers: *Sukumar Mandal*  
*27/01/2020* *Sanjay Bhattacharya*  
*27/01/2020* *Chaitali Roy*  
*27.01.2020*

Academic Co-ordinator: *J. Shepe 28/1/2020*

PRINCIPAL

VICE PRINCIPAL

*[Signature]*  
28/2/2020



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus planning for the academic year 2020

TERM: Pre Test & Selection Test

CLASS: 12

TEACHERS' NAMES: Sukumar Mandal, Sanjay Bhattacharya and Chaitali Roy.

No. of working days: 70

No. of periods available: 52

Subject: Mathematics

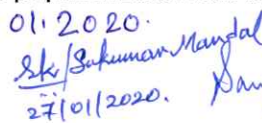


SECTION: A1, A2, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	9	Relation and Mapping contd.... Function, Determinants and Matrices Inverse circular function	Types of Function, Graphical representation Orthogonal Matrix, Cramer's Rule	Selected sums from the exercises of Function, Determinants and Matrices	Selected sums from the exercises of Function, Determinants and Matrices
JUNE	12	Differential Calculus Indefinite Integral 3D Geometry <b>Project 1 : Topic- Inverse circular function</b> <b>Last date of submission: 19<sup>th</sup> June.</b>	Limit, Continuity, Derivatives upto second order, 3D Geometry upto straight line	Selected sums from the exercises of Differential Calculus, Indefinite Integral, 3D Geometry	Selected sums from the exercises of Differential Calculus, Indefinite Integral, 3D Geometry
JULY	22	Differential equations, Vector, Tangent and normal, Maxima and Minima.	Order & degree of differential equations, Linear differential equations, Plane, Dot product, Cross product, Scalar triple product, Tangent and normal, Global maxima- minima and local maxima- minima.	Selected sums from the exercises of differential equations, Vector, Maxima and Minima, Tangent and normal	Selected sums from the exercises of differential equations, Vector, Maxima and Minima, Tangent and normal
AUGUST	9	Definite Integral, Area under plane curves, Rate measure  Pre test from 3 <sup>rd</sup> August to 17 <sup>th</sup> August. (Syllabus: UNIT1, UNIT2, UNIT 3 (upto Maxima & Minima), UNIT 4)	Properties of Definite integral	Selected sums from the exercises of Definite Integral, Area under plane curves, Rate measure	Selected sums from the exercises of Definite Integral, Area under plane curves, Rate measure

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Submitted Date: 27.01.2020

Signature of Teachers:

 Sukumar Mandal  
 Sanjay Bhattacharya  
 Chaitali Roy

Academic Co-ordinator:

J. Shepe 28/1/2020

PRINCIPAL

VICE PRINCIPAL

  
 28/2/2020



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Syllabus planning for the academic year 2020

TERM: Selection Test

CLASS: 12

TEACHERS' NAMES: Sukumar Mandal , Sanjay Bhattacharya and Chaitali Roy.

No. of working days: 58

No. of periods available: 43

Subject: Mathematics

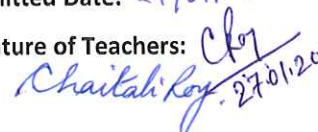
SECTION: A1, A2, B, C, D

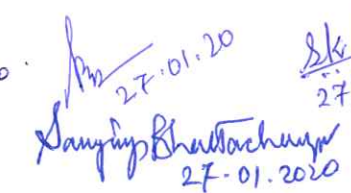
MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	21	Probability Theory, LPP <b>Project 2: LPP Problem</b> <b>Last date of submission: 21<sup>st</sup> September</b>	Conditional probability, Bayes' Theorem Optimization problem of LPP	Selected sums from the exercises of Probability Theory, LPP	Selected sums from the exercises of Probability Theory, LPP
OCTOBER	13	Statistics <b>Entire syllabus will be completed.</b> <b>Revision</b> of entire syllabus.	Random variable, Mean, Variance of PMF, Binomial Distribution	Selected sums from the exercises of Statistics	Selected sums from the exercises of Statistics
NOVEMBER	9	<b>Revision</b> of entire syllabus continues . Selection Test from 18 <sup>th</sup> Nov to 27 <sup>th</sup> Nov. (Syllabus : Entire syllabus.)			
DECEMBER	.....				

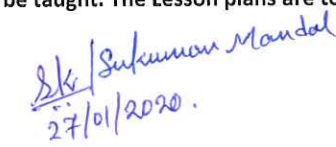
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Signature of Teachers:

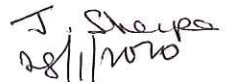
  
 Chaitali Roy. 27.01.2020.

  
 Sanjay Bhattacharya  
 27.01.2020

  
 Sukumar Mandal  
 27/01/2020.

PRINCIPAL.

Academic Co-ordinator:

  
 J. Sheeps  
 28/1/2020

VICE PRINCIPAL

  
 28/2/2020