



FOR GOD AND COUNTRY

ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus planning for the academic year 2019

TERM: Pre Test

CLASS: 12

TEACHER'S NAME: Indranil Ghosh ,Sanjay Bhattacharya, Siddhartha Bhattacharya

No. of working days: 21

No. of periods available: 2

Subject: MATHEMATICS

SECTION: A1, A2, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY					
FEBRUARY					
MARCH					
APRIL	02	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:

Signature of Teacher: *I.G.* 30.1.19 *Sanjay Bhattacharya* 30.1.19 *SM* 30.1.19
Indranil Ghosh 30.1.19

PRINCIPAL.

Academic Co-ordinator: *Sumanita Banerjee* 30/1/19

Saby 6/2/19
VICE PRINCIPAL



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Syllabus planning for the academic year 2019

TERM: Pre Test & Selection Test

CLASS: 12

TEACHER'S NAME: Indranil Ghosh, Sanjay Bhattacharya, Siddhartha Bhattacharya

No. of working days: 70

No. of periods available: 55

Subject: Mathematics

SECTION: A1, A2, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	7	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	15	Differential Calculus Indefinite Integral 3D Geometry Project 1 : Topic- Inverse circular function Last date of submission: 28 th June.	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	21	3D Geometry contd... Vector, Tangent and normal Pre Test from 30/07/2019 to 9 th August	Plane, Dot product, Cross product, Scalar triple product, Tangent and normal	Selected sums from the exercises of Vector, Tangent and normal	Selected sums from the exercises of Vector, Tangent and normal
AUGUST	12	Maxima and Minima, Definite Integral, Area under plane curves, Rate measure	Global maxima- minima and local maxima- minima, Properties of Definite integral	Selected sums from the exercises of Maxima and Minima, Definite Integral, Area under plane curves, Rate measure	Selected sums from the exercises of Maxima and Minima, Definite Integral, Area under plane curves, Rate measure

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Submitted Date:

Signature of Teacher:

PRINCIPAL

Sanjay Bhattacharya
Indranil Ghosh 30/1/19

Academic Co-ordinator:

VICE PRINCIPAL

Jaswita Banerjee
30/1/19
17/6/2/19



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Syllabus planning for the academic year 2019

TERM: Selection Test

CLASS: 12

TEACHER'S NAME: Indranil Ghosh, Sanjay Bhattacharya, Siddhartha Bhattacharya

No. of working days: 48

No. of periods available: 31

Subject: Mathematics

SECTION: A1, A2, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	17	Probability Theory, LPP Project 2: LPP Problem Last date of submission: 27 th September	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 Revision 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	1	Selection Test from 4 th Nov to 13 th Nov			
DECEMBER				

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:

Signature of Teacher: *Indranil Ghosh* 30.1.19
Sanjay Bhattacharya 31.1.19
Siddhartha Bhattacharya 30.1.19

Academic Co-ordinator: *Susmita Banerjee* 30/1/19

PRINCIPAL.

[Signature]
VICE PRINCIPAL 7/6/2/19