



FOR GOD AND COUNTRY

# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus planning for the academic year 2019

TERM: First

CLASS: 11

TEACHER'S NAME: Siddhartha Bhattacharya, Indranil Ghosh

No. of working days: 21

No. of periods available: 02

Subject: Mathematics

SECTION: A1, A2, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY					
FEBRUARY					
MARCH					
APRIL	02	Logarithm	Properties of Logarithm	Selected sums from the exercises of Logarithm	Selected sums from the exercises of Logarithm

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: 30.1.19

Signature of Teacher: *Indranil Ghosh*  
30.1.19

PRINCIPAL.

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

*Indranil Ghosh*  
6/2/19  
VICE PRINCIPAL



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus planning for the academic year 2019

TERM: First

CLASS: 11

TEACHER'S NAME: Siddhartha Bhattacharya, Indranil Ghosh

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	Sequence and Series, Trigo-Associated angles, Co-ordinate basics	Sequence, AP, GP, Values of the angles	Selected sums from the exercises of Sequence and Series, Trigo-Associated angles, Co-ordinate basics	Selected sums from the exercises of Sequence and Series, Trigo-Associated angles, Co-ordinate basics
JUNE	15	Complex number, Quadratic Equation, Trigo- upto sub multiple angles, Co-ordinate Geometry- Straight lines, circles	Properties of complex, Argand plane, Applications of Trigonometrical identities, Different forms of straight line and circle	Selected sums from the exercises of Complex number, Quadratic Equation, Trigo- upto sub multiple angles, Co-ordinate Geometry- Straight lines, circles	Selected sums from the exercises of Complex number, Quadratic Equation, Trigo- upto sub multiple angles, Co-ordinate Geometry- Straight lines, circles
JULY	21	General solution, Permutation, combination, Set theory, Relation and Mapping, Function, Mathematical induction First Term Exam from 29 <sup>th</sup> July to 9 <sup>th</sup> August	Application of formulas and laws on sets, domain and co-domain set, different types of function, application of principle of mathematical induction	Selected sums from the exercises of General solution, Permutation, combination, Set theory, Relation and Mapping, Function, application of principle of mathematical induction	Selected sums from the exercises of General solution, Permutation, combination, Set theory, Relation and Mapping, Function, application of principle of mathematical induction
AUGUST	12	Binomial theorem, Properties of triangles, Parabola, Limit Project 1: Statistics comparative study Last date of submission: 29 <sup>th</sup> August	General term, Middle term, binomial coefficients, application of formulas, formulas of Limits, $SP/PM=e$	Selected sums from the exercises of Binomial theorem, Properties of triangles, Parabola, Limit	Selected sums from the exercises of Binomial theorem, Properties of triangles, Parabola, Limit

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: 30.1.19

Signature of Teacher: *[Handwritten Signature]*

PRINCIPAL

Academic Co-ordinator: *[Handwritten Signature]*

VICE PRINCIPAL

*[Handwritten Signature]*  
7/6/2/19



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus planning for the academic year 2019

TERM: 2ND

CLASS: 11

TEACHER'S NAME: Siddhartha Bhattacharya, Indranil Ghosh

No. of working days: 73

No. of periods available: 60

Subject: Mathematics

SECTION: A1, A2, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	17	Ellipse, Hyperbola	Properties of Ellipse, Hyperbola	Selected sums from the exercises of Ellipse, Hyperbola	Selected sums from the exercises of Ellipse, Hyperbola
OCTOBER	13	Continuity, Differentiability, Derivatives	Test of LHL, RHL, LHD, RHD, First principle, Product rule, Quotient rule	Selected sums from the exercises of Continuity, Differentiability, Derivatives	Selected sums from the exercises of Continuity, Differentiability, Derivatives
NOVEMBER	18				
DECEMBER	12				

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: 30.1.19

Signature of Teacher: *Indranil Ghosh* 30.1.19

PRINCIPAL.

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

*Prady* 6/2/19  
VICE PRINCIPAL



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# ST. LAWRENCE HIGH SCHOOL

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Syllabus planning for the academic year 2019-20

TERM: Pre -Annual

CLASS: 11

TEACHER'S NAME: Indranil Ghosh , Siddhartha Bhattacharya

No. of working days: 23

No. of periods available: 18

Subject: MATHEMATICS

SECTION: A1, A2, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	18	Revision of entire syllabus	Revision of entire syllabus Test paper solving	Revision of entire syllabus Test paper solving	Revision of entire syllabus Test paper solving
FEBRUARY					
MARCH					
APRIL					

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: 30.1.19

Signature of Teacher: *Indranil Ghosh*

*Indranil Ghosh*  
30.1.19

PRINCIPAL.

Academic Co-ordinator: *Susmita Banerjee*

*Susmita Banerjee*  
30/1/19

VICE PRINCIPAL

*Susmita Banerjee*  
6/2/19