ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA-700019

TEST   TERM: .....FIRST................   TEACHER`S NAME: Siddhartha Bhattacharya,Debjani das, Chaitali Ray,Aparajita Mondal

Syllabus planning for the academic year 2019   Subject: Mathematics   CLASS: . 10   SECTION: A,B,C,D

No. of working days:-86   No. of periods available: 51

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	20	1. Quadratic equation in one variable 2. Simple interest 6. Compound interest and uniform rate of increase or decrease 3.Theorems Related to circle 4. Cuboid	1. Concept, solving quadratic equatin, Sridhara Acharyya formula, nature of roots,solution of real life problems 2.Concept, formula, solution of real life problems 6. Concept, formula, solution of real life problems 3.Theorem 32, 33 and its application 4.concept, formula of total surface area, volume,length of a diagonal	In case of MCQ full sentence should be written and necessary rough work should be done. Selected sums from the exercise of Quadratic equation in one variable, Simple interest, Compound interest and uniform rate of increase or decrease, Theorems Related to circle, Cuboid	Selected sums from the exercise of Quadratic equation in one variable, Simple interest, Compound interest and uniform rate of increase or decrease, Theorems Related to circle, Cuboid
FEBRUARY	12	7. Theorems related to Angles in a circle 8. Right circular cylinder 20. trigonometry: concept of measuerement of angle	7.proof of the theorem and related problems 8. Concept, formula of total surface area, volume, real life problems 20.Sexgesimal and circular measure	In case of MCQ full sentence should be written and necessary rough work should be done. Selected sums from the exercise of Theorems related to Angles in a circle, Right circular cylinder ,trigonometry: concept of measurement of angle	Selected sums from the exercise of Theorems related to Angles in a circle, Right circular cylinder ,trigonometry: concept of measurement of angle
MARCH	13	23.Trigonometric ratios and trigonometric identities 24. Trigonometric ratios of complementary angles.	23.Values of trigonometric ratios of some standard angles and related problems 24.concept and related problems	In case of MCQ full sentence should be written and necessary rough work should be done. Selected sums from the exercise of Trigonometric ratios and trigonometric identities,Trigonometric ratios of complementary angles.	Selected sums from the exercise of Trigonometric ratios and trigonometric identities,Trigonometric ratios of complementary angles
APRIL	6 1st term exam 9th april to 23rd april	Continuation of chapter 24 Trigonometric ratios of complementary angles. First project submission date 18.3.19 Project on Survey Method (quadratic equation)	concept and related problems	Selected sums from the exercise of Trigonometric ratios of complementary angles.	Selected sums from the exercise of Trigonometric ratios of complementary angles

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 on : ....28. 01.19........................

Signature of Teacher : ....

PRINCIPAL

Academic Co-ordinator:.................................

VICE PRINCIPAL 14/2/19

ST. LAWRENCE HIGH SCHOOL
27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

TEST   TERM: Pre-test   TEACHER`S NAME.Siddhartha Bhattacharya, Debjani Das,Chaitali Ray,Aparajita Mondal

Syllabus planning for the academic year 2019   Subject: Mathematics   CLASS: 10 SECTION: A,B,C,D

No. of working days:- 48   No. of periods available: 46

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	8	Second term begins 5.Ratio and proportion 9. Quadratic surd 10.theorems related to cyclic quadrilateral	5. concept of different types, application of different proportional properties. 9.concept,types, rationalising factor,different real life problems of quadratic surd. 10.theorem and its application	In case of MCQ full sentence should be written and necessary rough work should be done. Selected sums from the exercise of Ratio and proportion , Quadratic surd ,Theorems related to cyclic quadrilateral	Selected sums from the exercise of Ratio and proportion , Quadratic surd ,Theorems related to cyclic quadrilateral
JUNE	17	12. Sphere 13. Variation 14. Partnership business	12.concept, curved surface area of sphere and hemisphere, solution of different real life problems 13.simple,inverse and compound variation 14.simple and mixed partnership and related problems	In case of MCQ full sentence should be written and necessary rough work should be done. Selected sums from the exercise of Sphere, Variation & Partnership business	Selected sums from the exercise of Sphere, Variation & Partnership business
JULY	21 Pre-test 29th july to 9th august	15. theorems related to tangent to a circle 16. Right circular cone 19.Solid objects 25.Heights and distances 11.Construction of circumcircle and incircle. Second Project submission date:12/6/19 Project on Nature study (Right Circular Cylinder)	15.Theorem and its application 16.curved and plane surface area , volume of a right circular cone 19.Problems rel;ated to different solid objects 25.concept of angle of elevation and angle of depression 11.construction of circumcircle and incircle of a given triangle.	In case of MCQ full sentence should be written and necessary rough work should be done. Selected sums from the exercise of . theorems related to tangent to a circle, Right circular cone ,Solid objects,Heights and distances, Construction of circumcircle and incircle.	Selected sums from the exercise of . theorems related to tangent to a circle, Right circular cone ,Solid objects,Heights and distances, Construction of circumcircle and incircle
AUGUST	14	Third Term begins 17.Construction of tangent to a circle 18.similarity	17.Construction of tangent of a circle to a point on the circle 18.concept of similar geometric figures, related problems.	In case of MCQ full sentence should be written and necessary rough work should be done. Selected sums from the exercise of Construction of tangent of a circle to a point on the circle, concept of similar geometric figures, related problems.	Selected sums from the exercise of Construction of tangent of a circle to a point on the circle, concept of similar geometric figures, related problems.

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 on: ....28:01:19:...............

Signature of Teacher: ....

Academic Co-ordinator: ....

PRINCIPAL

VICE PRINCIPAL

TEST   TERM: Selection   **TEACHER`S NAME:** Siddhartha Bhattacharya,Debjani Das, Chaitali Ray ,Aparajita Mondal

Syllabus planning for the academic year 2019   **Subject:** Mathematics   **CLASS:** 10   **SECTION:** A,B,C,D

No. of working days:-48   No. of periods available: 45

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	18	21. Construction : determination of mean proportional 22.Pythagoras theorem 26.Statistics: Mean, Median, Ogive ,Mode	21. Construction of mean proportional of two line segments in geometric method 22.Proof of the theorem and related problems 26.Concept of mean, different method, determination of median, ogive, median from ogive	In case of MCQ full sentence should be written and necessary rough work should be done. Selected sums from the exercise of Construction : determination of mean proportional,Pythagoras theorem,Statistics: Mean, Median, Ogive ,Mode	Selected sums from the exercise of Construction : determination of mean proportional,Pythagoras theorem,Statistics: Mean, Median, Ogive ,Mode
OCTOBER	13 Selection Test 4th November to 13 th November	Continuation of 26. statistics Revision of whole book Third Project submission date 23/10/19 Project to be done on Ceativity (Pythagoras theorem)	26.Concept of mean, different method, determination of median, ogive, median from ogive • Doubt clearing sessions	Questions to be discussed from Test Paper	Questions to be given for homework from Test Paper
NOVEMBER					
DECEMBER					

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Submitted on : ....28.01.19.................

Signature of Teacher : ....

PRINCIPAL

Academic Co-ordinator: ....

VICE-PRINCIPAL