ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

TEACHER`S NAMES : NILANJANA BHADRA, INDRANIL GHOSH AND APARAJITA MONDAL

SECTION: A, B, C & D

Syllabus Planner for the year 2020

TERM: 1ST.

No. of working days:-65.   **No. of periods available:.59**

Subject: MATHEMATICS   **CLASS:8**

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	16	ATM CH – 1 : RATIONAL NUBERS	POSITIVE AND NEGATIVE RATIONAL NUMBES, PROPERTIES, OPERATIONS ON RATIONAL NUMBERS.	SELECTED HOME WORK FROM EXERCISE – 1A, 1B, 1C, 1D, 1E	SELECTED SUMS EXERCISE – 1A, 1B, 1C, 1D, 1E
		ALM -CH – 2: EXPONENT	BASE AND POWERS OF NUMBERS, LAWS OF EXPONENTS.	SELECTED HOME WORK FROM EXERCISE – 2	SELECTED SUMS FROM EXERCISE – 2
		ALM-CH –12: CONCEPTS AND OPERATION IN ALM	POLYNOMIALS AND OPERATION ON POLYNOMIALS.	SELECTED HOME WORK FROM EXERCISE – 12A, 12B, 12C & 12D	SELECTED SUMS FROM EXERCISE – 12A, 12B, 12C & 12D
FEBRUARY	18	ALM-CH – 13: ALGEBRIC IDENTITIES	PRODUCT OF TWO BINOMIALS, SQUARING A BINOMIAL, IMPORTANT IDENTITIES. APPLICATION OF DIFFERENT IDENTITIES.	SELECTED HOME WORK FROM EXERCISE – 13A, 13B & 13C	SELECTED SUMS FROM EXERCISE – 13A, 13B & 13C
		ATM -CH – 3: SQUARES AND SQUARE ROOTS	SQUARES, PERFECT SQUARES, SQUARE ROOT, PRIME FACTORISATION, LONG DIVISION METHOD, SQURE ROOT OF DECIMAL NUMBERS.	SELECTED HOME WORK FROM EXERCISE – 3A, 3B, 3C &3D	SELECTED SUMS FROM EXERCISE – 3A, 3B, 3C & 3D
		ATM-CH – 4: CUBES AND CUBE ROOTS	CUBES, PERFECT CUBES, PROPERTIES OF CUBES, CUBE ROOT, CUBE ROOT OF DECIMAL NUMBER.	SELECTED HOME WORK FROM EXERCISE – 4A &4B	SELECTED SUMS FROM EXERCISE – 4A & 4B
		ATM-CH – 5: PLAYING WITH NUMBERS	NUMBER PUZZLES AND GAMES.	SELECTED HOME WORK FROM EXERCISE – 5A, 5B &5C	SELECTED SUMS FROM EXERCISE – 5A, 5B & 5C
		ATM-CH – 6: SETS	TYPES OF SETS, CARDINAL NUMBER, SUB SET, UNION AND INTERSECTION.	SELECTED HOME WORK FROM EX– 6A, 6B & 6C	SELECTED SUMS FROM EX– 6A, 6B & 6C
		ALM-CH – 17: TRIANGLES THEOREM 1-5 FROM PAMPHLET	CLASSIFICATION AND DIFFERENT PROPERTIES OF TRIANGLES.	SELECTED HOME WORK FROM EX – 17A & 17B.	SELECTED SUMS FROM EXERCISE – 17A & 17B.
MARCH	18	ALM-CH – 17: CONTINUED	DIFFERENT PROPERTIES OF TRIANGLES.	SELECTED HOME WORK FROM EX – 17C & 17D	SELECTED SUMS FROM EXERCISE – 17C & 17D
		ALM-CH – 18: QUADRILATERAL	SIDES, ANGLES AND DIAGONALS OF QUADRILATERAL, ADJACENT SIDES AND OPPOSITE SIDES, ADJACENT ANGLES AND OPPOSITE ANGLES.	SELECTED HOME WORK FROM EXERCISE – 18	SELECTED SUMS FROM EXERCISE – 18
		ALM-CH – 19: SPECIAL TYPES OF QUADRILATERALS	PROPERTIES OF – PARALLELOGRAM, RECTANGLE, SQUARE, KITE, ISOSCELES TRAPEZIUM, POLYGONS.	SELECTED HOME WORK FROM EX– 19A, 19B, 19C, 19D &19E	SELECTED SUMS FROM EX– 19A, 19B, 19C, 19D & 19E
		ALM-CH – 25: AREAS OF RECTILINEAR FIGURES	AREA & PERIMETER OF – RECTANGLE, TRIANGLE, PARALLELOGRAM, AREA & PERIMETER OF – RHOMBUS, TRAPEZIUM.	SELECTED HOME WORK FROM EX– 25A ,25B, 25C & 25D	SELECTED SUMS FROM EX–25A ,25B, 25C & 25D
APRIL	7 1ST TERM BEGINS ON 15.04.2020	ATM-CH – 28: DATA HANDLING	FREQUENCY, RANGE, MEAN, FREQUENCY DISTRIBUTION	SELECTED HOME WORK FROM EX– 28A, 28B &28C	SELECTED SUMS FROM EXERCISE –28A, 28B &28C
		REVISION ON ALM CH – 2: EXPONENT	BASE AND POWERS OF NUMBERS, LAWS OF EXPONENTS.	SELECTED HOME WORK FROM EXERCISE – 2	SELECTED SUMS FROM EXERCISE –2
		ALM-CH – 13: ALGEBRIC IDENTITIES	APPLICATION OF DIFFERENT IDENTITIES.	SELECTED HOME WORK FROM EXERCISE – 13A,13B & 13C	SELECTED SUMS FROM EXERCISE – 13A,13B &

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Submitted Date: 28. 1. 2020

Signature of Teacher: Indranil Ghosh Nilanjana Bhadra Aparajita Mondal

PRINCIPAL.

Academic Co-ordinator:

VICE PRINCIPAL

ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

TEACHER'S NAMES : NILANJANA BHADRA, INDRANIL GHOSH and APARAJITA MONDAL

Syllabus Planner for the year 2020

TERM: 2ND & 3RD

SECTION: - A, B, C & D

No. of working days:-54   No. of periods available: 48   Subject: MATHEMATICS   CLASS: 8

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	10	ATM-CH – 7: PERCENTAGE	RELATION AMONG PERCENTAGE, FRACTION & DECIMAL. PERCENTAGE INCREAMENT AND DECREAMENT.	SELECTED HOME WORK FROM EXERCISE – 7A & 7B	SELECTED SUMS FROM EXERCISE – 7A & 7B
JUNE	12	ATM-CH – 8: PROFIT , LOSS AND DISCOUNT	IMPORTANT FORMULAE, PROFIT , LOSS, DISCOUNT.	SELECTED HOME WORK FROM EXERCISE – 8A & 8B	SELECTED SUMS FROM EXERCISE – 8A & 8B
		ATM-CH – 9: SIMPLE AND COMPOUND INTEREST	PRINCIPAL, INTEREST, IMPORTANT FORMULAE, FORMULA OF COMPOUND INTEREST.	SELECTED HOME WORK FROM EXERCISE – 9A, 9B AND COMPOUND INTEREST FORMULA RELATED SUMS.	SELECTED SUMS FROM EXERCISE – 9A, 9B AND COMPOUND INTEREST FORMULA RELATED SUMS.
		ALM-CH – 14: FACTORISATION	FACTORISING – BINOMIAL, TRINOMIAL.	SELECTED HOME WORK FROM EX– 14A, 14B, 14C, 14D, 14E, 14F, 14G & 14H	SELECTED SUMS FROM EX– 14A, 14B, 14C, 14D, 14E, 14F, 14G & 14H
		ALM---CH – 20: CONSTRUCTION OF QUADRILATERALS	CONSTRUCTION OF SQUARE, RECTANGLE, PARALLALOGRAM AND RHOMBUS.	SELECTED HOME WORK FROM EXERCISE – 20A &20B	SELECTED SUMS FROM EXERCISE – 20A & 20B
JULY	22	ALM-CH – 24: CIRCLE THEOREM- 6-10 FROM PAMPHLET	COMPONENTS OF CIRCLE, CHORD PROPERTIES, ANGLE PROPERTIES.	SELECTED HOME WORK FROM EXERCISE – 24A &24B	SELECTED SUMS FROM EXERCISE – 24A & 24B
		ATM-CH – 26: CIRCUMFERENCE AND AREA OF A CIRCLE	CIRCUMFERENCE AND AREA OF A CIRCLE.	SELECTED HOME WORK FROM EX– 26	SELECTED SUMS FROM EX– 26
		ATM- CH – 29: GRAPHICAL REPRESENTATION OF DATA	BAR GRAPH, HISTOGRAM & PIE CHART.	SELECTED HOME WORK FROM EX– 29A, 29B &29C	SELECTED SUMS FROM EX– 29A, 29B & 29C
		REVISION ON ALM CH – 2: EXPONENT	BASE AND POWERS OF NUMBERS, LAWS OF EXPONENTS.	SELECTED HOME WORK FROM EXERCISE – 2	SELECTED SUMS FROM EXERCISE –2
		ALM-CH – 13: ALGEBRIC IDENTITIES	APPLICATION OF DIFFERENT IDENTITIES.	SELECTED HOME WORK FROM EXERCISE – 13A,13B & 13C	SELECTED SUMS FROM EXERCISE – 13A,13B &
AUGUST	2ND TERM EXAM BEGINS FROM 03.08.2020 6	ATM- CH – 10: DIRECT AND INVERSE VARIATION	DIRECT AND INVERSE VARIATION.	SELECTED HOME WORK FROM EXERCISE – 10A, 10B &10C	SELECTED SUMS FROM EXERCISE – 10A, 10B & 10C
		ATM-CH – 11: TIME AND WORK UNITARY METHOD FROM PAMPHLET	TIME & WORK, PIPES AND CISTERNS PROBLEMS.	SELECTED HOME WORK FROM EX– 11	SELECTED SUMS FROM EX– 11

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Submitted Date: 28.1.2020

Signature of Teacher: Indranil Ghosh Nilanjana Bhadra Aparajita Mondal

Academic Co-ordinator:

VICE PRINCIPAL

PRINCIPAL.

ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

TEACHER`S NAME : NILANJANA BHADRA, INDRANIL GHOSH AND APARAJITA MONDAL

Syllabus Planner for the year 2020

TERM: 3RD

SECTION: A, B, C & D

No. of working days:- 46   No. of periods available: 43   Subject: MATHEMATICS   CLASS: 8

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	20	ALM- CH – 15: LINEAR EQUATIONS	LINEAR EQUATION IN ONE VARIAVLE, APPLICATION TO PRACTICAL PROBLEMS.	SELECTED HOME WORK FROM EXERCISE – 15A &15B	SELECTED SUMS FROM EXERCISE – 15A & 15B
		ALM- CH – 16: LINEAR INEQUATIONS	SOLUTION SET, NOTATION, SOLUTION OF LINEAR INEQUATION.	SELECTED HOME WORK FROM EXERCISE – 16A &16B	SELECTED SUMS FROM EXERCISE – 16A & 16B
		ALM-CH – 22: LINEAR SYMMETRY, REFLECTION &ROTATION	LINES OF SYMMETRY, REFLECTION, ROTATION.	SELECTED HOME WORK FROM EX– 22A, 22B, 22C &22D	SELECTED SUMS FROM EX– 22A, 22B, 22C & 22D
		ALM- CH – 23: LINEAR GRAPHS	REPRESENTING FIRST DEGREE EQUATIONS IN ONE AND TWO VARIABLES ON THE GRAPH PAPERS, DISTANCE TIME GRAPH.	SELECTED HOME WORK FROM EX– 23A, 23B, 23C &23D	SELECTED SUMS FROM EX–23A, 23B, 23C &23D
OCTOBER	14	ATM-CH – 27: VOLUME & SURFACE AREA OF SOLIDS	VOLUME AND SURFACE AREA OF– CUBE, CUBOID & CYLINDER.	SELECTED HOME WORK FROM EX– 27A, 27B &27C	SELECTED SUMS FROM EX– 27A, 27B & 27C
		ATM- CH – 30: PROBABILITY	PROBABILITY – FUNDAMENTAL CONCEPTS	SUMS BASED ON FUNDAMENTAL CONCEPT FROM EX – 30	SUMS BASED ON FUNDAMENTAL CONCEPT FROM EX-30
		REVISION OF ATM-CH – 7: PERCENTAGE	PERCENTAGE INCREAMENT AND DECREAMENT.	SELECTED HOME WORK FROM EXERCISE – 7A & 7B	SELECTED SUMS FROM EXERCISE – 7A & 7B
		ALM CH – 2: EXPONENT	BASE AND POWERS OF NUMBERS, LAWS OF EXPONENTS	SELECTED HOME WORK FROM EXERCISE – 2	SELECTED SUMS FROM EXERCISE –2
		ALM-CH – 13: ALGEBRIC IDENTITIES	IDENTITIES, APPLICATION OF DIFFERENT IDENTITIES.	SELECTED HOME WORK FROM EXERCISE – 13A, 13B & 13C	SELECTED SUMS FROM EXERCISE – 13A, 13B & 13C.
		ATM-CH – 9: SIMPLE AND COMPOUND INTEREST	PRINCIPAL, INTEREST, IMPORTANT FORMULAE, FORMULA OF COMPOUND INTEREST.	SELECTED HOME WORK FROM EXERCISE – 9A, 9B AND COMPOUND INTEREST FORMULA RELATED SUMS.	SELECTED SUMS FROM EXERCISE – 9A, 9B AND COMPOUND INTEREST FORMULA RELATED SUMS.
NOVEMBER	9 3RD TERM BEGINS FROM 18.11.2020	REVISION OF ATM-CH – 8: PROFIT , LOSS AND DISCOUNT	IMPORTANT FORMULAE, PROFIT , LOSS, DISCOUNT.	SELECTED HOME WORK FROM EXERCISE – 8A & 8B	SELECTED SUMS FROM EXERCISE – 8A & 8B
		N.B : SYLLABUS FOR THE THIRD TERM EXAMINATION INCLUDES ALL THE TOPICS FROM 1ST, 2ND AND 3RD TERM.			
DECEMBER					

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Submitted Date: 28.1.2020

Signature of Teacher: Indranil Ghosh, Nilanjana Bhadra   Aparajita Mondal

Academic Co-ordinator:

VICE PRINCIPAL

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