

SUMMER FIELDS SCHOOL, DLF CITY, PHASE-I, GURGAON

SESSION -2018 - 19

SYLLABUS DISTRIBUTION

Type of Assessment Periodic test -1 (11TH MAY 2018) CLASS: X

SUBJECT :MATHS

PRESCRIBED TEXT BOOKS: NCERT

LESSON / TOPICS COVERED	TEACHING AIDS USED	ASSOCIATED ACTIVITY	AV REQ. Y/N	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
1. Real number 2. Linear equation 3. Polynomial 4. Probability 5. Statistics	B.B Graphs Chart paper	To verify condition for consistency of systems of linear equations in two variables using graph.	yes	Honesty Integrity Persistent	Students will be able to understand the concept of real numbers, linear equations, and polynomials and relate these to daily life.

Subject Enrichment Activity: Prove the relation “MODE = 3MEDIAN + 2 MEAN” for classmate’s birthday.

Type of Assessment Periodic test 2 / half yearly exam (11TH SEP 2018)

CLASS : X SUBJECT :MATHS

PRESCRIBED TEXT BOOKS: NCERT

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SESSION -2018 - 19

SYLLABUS DISTRIBUTION

LESSON / TOPICS COVERED	TEACHING AIDS USED	ASSOCIATED ACTIVITY	AV REQ. Y/N	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
1. Similar triangles 2. A. P. 3. Circles 4. Quadratic Equations 5. Introduction to trigonometry 6. Applications of trigonometry (Including syllabus of PT 1)	B.B Graphs Chart paper	To prove ratios of areas of two similar triangles is equal to the ratio of square of corresponding sides. To prove Pythagoras theorem To make a mathematical instrument (clinometer)	Yes	Logic Reasoning Righteous value	Students will be able to acquire knowledge about trigonometry, A.P. and will be able to apply these to daily life.

Subject Enrichment Activity: Explain the relation between trigonometric ratios and find the probability of getting value of trigonometric ratio as 1 for different values of angle.

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SESSION -2018 - 19

SYLLABUS DISTRIBUTION

Type of Assessment : PREBOARD EXAMS /Periodic test -3 (10TH DEC 2018) CLASS : X

SUBJECT :MATHS

PRESCRIBED TEXT BOOKS: NCERT

LESSON / TOPICS COVERED	TEACHING AIDS USED	ASSOCIATED ACTIVITY	AV REQ. Y/N	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
1. Areas related to circle 2. Coordinate geometry 3. Surface area Volume 4. Construction (Including syllabus of PT 1 and PT 2)	B.B Graphs Chart paper	To verify lengths of tangents drawn from an external point are equal. To compare volumes of two right circular cylinders.	yes	Coordination & cooperation, Sharing, Social responsibility, All round development, Punctuality, Accuracy, holistic development.	Students will be able to understand the concept of quadratic equation, circles & areas related to circle. Students will be able to find angle of elevation of an object and use it to find the height of object at a known distance.

SUMMER FIELDS SCHOOL, DLF CITY, PHASE-I, GURGAON

Type of Assessment: Pre board Exam CLASS: X SESSION -2018 - 19 SYLLABUS DISTRIBUTION
SUBJECT: MATHS PRESCRIBED TEXT BOOKS: NCERT

LESSON / TOPICS COVERED	TEACHING AIDS USED	ASSOCIATED ACTIVITY	AV REQ. Y/N	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
Whole syllabus					