

AKAL ACADEMY BHAI DESA

Class :- 10th Lesson Plan No. : Topic :- Polynomials Date :-

Overview :- 6periods + 2Periods

Pre requisite knowledge :- All Definition and important terms related to the polynomials.

Teaching aids :- Black board, Chalk, Duster, Charts.

Educational Objective :-

- Basic concept and definition related to the Topic polynomials.
- Explanation of Remainder and factor theorem.
- Relation between zero's and coefficient of quadratic and cubic polynomials.
- Explanation of division algorithms.
- Method of finding zero's of cubic as well as bi- quadratic polynomials.

Topic name and Procedure :- After announcement the name of topic Start the session by checking their previous knowledge, by asking the question related to the topic.

Introduction and motivation :- Teacher will start the session by giving many examples of algebraic expressions. Now teacher will Explain which type of algebraic expressions are called polynomials.

Important definition :- now teacher will explain the important definition like degree , coefficient and zeroes of polynomials.

After that teacher will explain the different type of polynomials on the basis of degree and on the basis of no. Of terms.like linear , quadratic , cubic ,monomial and binomial etc.

Finding zeroes from the graph :- students will be given the knowledge of finding the no. Of zeroes from the graph of polynomials.

Division algorithm :- By taking examples teacher will explain the method of dividing one polynomial by another and their verification procedure.

Expected outcomes :- •After studying this lesson students will be able to explain the relationship between zero's and coefficients

•students should be able to factories quadratic ,cubic and bi-quadratic polynomials and become able to find their zero's.

Students deliverables :- Review questions given by the teacher

.student can prepare the presentation on the topic relationship bwtween zero's and coefficient for quadratic as well as cubic polynomials.

Extended learning :- student can extend their learning through the link and can find more valuable and interesting concepts on mathematics.

Assessment technique :- assessment sheet will be given as a homework at the end of topic.separate sheets which will include question of logical thinking and higher order thinking skills will be given to above average students.

Sign of HOD.

Sign of teacher