KHAIRA COLLEGE, KHAIRA Aid-on Course

Subject-Mathematics for Competitive Examinations

UNIT-I: Factors and Multiples, HCF, LCM, Choosing Smaller and Greater numbers among the given fractions, Addition and subtraction tricks of fractions, Tricks of simplifying composite fractions.

Ratio and Proportion, Problems solving through direct proportion and Unit-II: inverse proportional trick, Problem on Age, Average, Surds and indices.

Unit-III: Percentage, Profit and loss, Simple and Compound Interest.

Unit-IV: Time and distance, Time and Work, Boats and Stream, Pipes and Cisterns.

Objectives:

The syllabus is meant for basics and fundamentals of mathematics for all competitive Examinations. The students after degree course appear different competitive Examinations where Mathematics is a compulsory subject. The students may not be fundamentally clear in this topic in their primary level. Also different short tricks are needed for completion of the problems in time. Keeping all these things in mind the syllabus has been prepared which is supposed to be very helpful for them.

(Mrutyunjaya Samal) Course Coordinator

Balasore

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