

KPI (Class XI

KPI NAME	KPI Def. No.	KPI DEFINITION	WHERE ARE WE NOW? (scale & description)	KPI GOAL	KPI LIMIT
Student's Performance in solving problems related to Logarithms	1	Understanding, memorising and applying correct properties in the right direction	30% of students are able to apply the formulae and concepts learnt.	40%	±2%
Increase student's ability in solving questions based on Quantitative Aptitude	2	Understanding the varied topics in detail and then applying the concepts as and when required.	50% of students are able to apply the formulae and concepts learnt.	60%	±2%
Increase student's ability in solving understanding and knowledge-based questions in correct direction.	3	Improving students' knowledge and understanding of sets relations and functions thereby gradually improving calculus and its applications in solving questions from the topics like continuity, differentiation as a process and derivatives using chain rule.	20% of students are able to apply the concepts learnt in the desired way and direction.	30%	±2%
Computational skills in mathematics by grade XI students	4	a)Enhancing Computation skills while learning permutation an combinations. b) To overcome the Confusion in applying permutation and combination.	40 % of the students are able to do calculations correctly but some of them get confused while applying permutation and combinations	50%	±2%

To make students aware of fast calculation so that they can attempt the question paper in time allotted.	5	To improve students calculations through short tricks, a lot of practice and revisions.	40% of students spend long time on calculations.	50%	$\pm 2\%$
Attempting application based questions	6	To improve students ability in reading the problem carefully and identify the unknown quantity, Writing down a mathematical model of the problem, solving the mathematical model and Interpret the solution.	30% students do not identify the unknown and were unable logically link their knowledge and understanding with application part of the question. Also they are not able to depict the concept pictorially when it is required.	40%	$\pm 2\%$
Student Performance in identifying and applying concept of AM , GM and GP of grade 11 students	7	Understanding General term, common ratio, sum of terms, finding missing terms and relation	40% of students are a) able to differentiate between the common ratio >1 and <1 and students struggle when to use	50%	$\pm 2\%$

& Subject- Applied Mathematics)

WHAT WE NEED TO DO ?	LP Number	HOW WILL IT BE ACHIEVED	KPI MEASUREMENT	REVIEW
Daily revision of the formulae till students memorise all of them and along with this practice of may		Practice sheets and regular revisions	Daily oral test of the formulae and concept learnt(till chapter is completed) and class test after	After each LP
To advise about the importance of the topic in competitive examinations and jumbled practice		1.Practice of MCQ's. 2.Practice of case study-based questions.	Students will be assessed in class based on Test scores. Participation in the discussion of	After each LP
Calculus is all about practice. We need to provide a lot of practice for understanding and knowledge based questions .		1.Students will be given work sheets (MCQ-style questions) that are based on understanding and knowledge-based questions. 2. A variety of case study-based questions will be provided to help them get more knowledge and comprehension.	Quiz during the learning of the chapter and a test after completion of the chapter.	After each LP
a) To discuss with the students common error committed by them. 2. We highlight real life applications where these concepts are applicable. 3. We encourage to think critically		a) Practice sheets will be provided By providing some practice question based on the same. Students will be encouraged to brush up on concepts of chain rule.	Class test after the completion of the chapter.	After each LP

<p>we need to tell some tricks and ways to do fast calculation without calculator</p>		<p>students will be demonstrated few of the ways where they can learn tricks for fast calculation and lot of practice will be provided.</p>	<p>Assessments test with lesser time durations as compared to the required time, after completion of the chapter</p>	<p>After each LP</p>
<p>Regular and rigorous practice. Working in peer groups.</p>		<p>students will be given more application based question sheets for practice and will be discussed in class .</p>	<p>students will be assessed in class based on Test scores, Participation in the discussion of practice questions and attendance.</p>	<p>After each LP</p>
<p>a) A clear understanding on recognizing patterns in sequence and focus on how each term relate to the previous term</p>		<p>a) Practice solving a wide range of problems. b) using visual aids such as diagram or video lessons</p>	<p>Class test after the completion of the chapter.</p>	<p>After each LP</p>

KPI REPORTING	KPI IMPR OVEM	KPI ACHI EVME
UT1 , UT2, HY		
UT1 , UT2, HY		

UT1 , UT2, HY		
UT1 , UT2, HY		
UT1 , UT2, HY		