

ANNUAL PEDAGOGICAL PLAN (Class:XII & Subject:Mathematics)

S.no.	What are the problems	Compilation of problems	Categorisation of Problems (Subjective & Behavioural)
1	Lack of motivation	<p>Some students simply don't care about their grades. They may not see the point in working hard, or they may be more interested in other things, such as sports, social activities, or their jobs. Some students have learning disabilities that make it difficult for them to learn in the traditional way. These disabilities can include dyslexia, dyscalculia, and attention deficit hyperactivity disorder (ADHD). Students who are dealing with problems at home, such as poverty, abuse, or neglect, may not be able to focus on their schoolwork. Some students don't know how to study effectively. They may not know how to break down large tasks into smaller ones, or they may not know how to manage their time effectively. Some students experience anxiety when they take tests. This anxiety can lead to poor performance on tests, even if the student knows the material.</p>	<p align="center">Behavioural Issues</p>
2	Poor study habits		
3	Irregularity in classes		
4	required for concept building		
5	Inadequate revision		
6	Hesitate to ask questions because of peer pressure		
7	Few students were having a habit of not taking notes properly in notebook.		
8	Few students do not follow the dead lines for their submissions.		
9	Test anxiety		

CALCULUS			
1	Lack of understanding of basic concepts	<p>Calculus is a complex subject that builds on a foundation of basic concepts from algebra and trigonometry. If students don't have a strong and Calculus requires students to be able to manipulate mathematical symbols in a precise and efficient way. This can be difficult for students who are not comfortable with</p>	
2	Difficulty with symbolic manipulation		
3	Difficulty with problem solving		
4	Lack of practice		

(a) FUNCTIONS		
1	Abstraction. Functions are abstract concepts, which can make them difficult to understand. They are not concrete objects that can be seen or touched, so they can be hard to visualize.	A function is a mathematical object that maps each element of a set to exactly one element of another set. This can be a difficult concept for students to grasp, especially if they have not had a strong foundation in set theory. There are many different types of functions, such as linear functions, quadratic functions, and exponential functions. Each type of function has its own unique properties, and students need to be able to recognize and distinguish between different types of functions. Function problems are often challenging for students because they require them to think abstractly and to use their knowledge of functions to solve real-world problems. Graphing functions is a visual way to represent the relationship between two variables. This can be a helpful tool for students to understand functions, but it can also be challenging for students who are not comfortable with graphing.
2	Variety of types. There are many different types of functions, each with its own unique properties. This can make it difficult to keep track of all the different types and their properties.	
3	Complexity. Functions can be very complex, with many different variables and parameters. This can make them difficult to understand and work with.	
4	Applications. Functions are used in many different areas of mathematics, science, and engineering. This can make it difficult to learn about functions in isolation, without understanding how they are used in other contexts.	
(b) Continuity and Differentiability		
1	Understanding the concept of a derivative. A derivative is a measure of how much a function changes at a given point. This can be a difficult concept for students to grasp, especially if they have not had a strong foundation in calculus.	Differentiability is a complex topic in

Subjective

2	Applying the rules of differentiation. There are a number of rules that students need to know in order to differentiate functions. These rules can be complex and difficult to remember.	<p>Differentiability is a complex topic in mathematics that can be challenging for students to understand. Below are some of the most common problems that students face when studying differentiability. A derivative is a measure of how much a function changes at a given point. This can be a difficult concept for students to grasp, especially if they have not had a strong foundation in calculus. There are a number of rules that students need to know in order to differentiate functions. These rules can be complex and difficult to remember. Problem-solving is an essential skill in mathematics, and it is especially important when studying differentiability. Students need to be able to apply the rules of differentiation to solve real-world problems.</p>
3	Solving differentiation problems. Differentiation problems can be challenging for students because they require them to think abstractly and to use their knowledge of differentiation to solve real-world problems.	
4	Graphing the derivative of a function. The graph of the derivative of a function can provide valuable information about the function. This can be a helpful tool for students to understand differentiation, but it can also be challenging for students who are not comfortable with graphing.	
(c) Integration		
1	Understanding the concept of an integral.	<p>An integral is a measure of the area under a curve. This can be a difficult concept for students to grasp, especially if they have not had a strong foundation in calculus. There are a number of rules that students need to know in order to integrate functions. These rules can be</p>
2	Applying the rules of integration.	
3	Solving problems involving integration.	