

SUBJECT: MATHS
TOPIC: PROBABILITY

LESSON PLAN

Pre-Content/content Post-Content	Learning Outcome/Objectives	
	General	Specific
<u>PRE-CONTENT</u> Probabilities of events associated with discrete random variable. Conditional probability of an event. <u>CONTENT</u> Bayes theorem, multiplication theorem of probability and independent events. Random variable and its probability distribution Mean and variance of probability distribution Binomial distribution and its application. <u>POST-CONTENT</u> Problem Solving	Students will be able to assimilate the concept of conditional probability as probability of an event when another event has already occurred. appreciate Bayes theorem and the conditions necessary to apply it calculate mean and variance after forming probability distribution. calculate faster and will be able to solve problems based on it	Students will be able to categorize the normal and conditional probabilities develop ability to apply real life application questions and value-based questions using Bayes theorem analyze and generate probability Distribution table for the given experiment. Also identify the given situation and apply binomial distribution acquire problem solving skills and will be able to solve various problems

Home Work /Assignment

- 1) NCERT Exercise questions (Questions from Ex .13.1 to 11.4 and misc. Ex from NCERT book)
- 2) Exemplar problem

MONTH: November

CLASS: XII

Teacher's Activity	Student's Activity	Teacher's Observation And Remedial
Teacher will help students in applying acquired knowledge/rules in applying various formulae in solving given questions. explain the fact that independent events different from mutually exclusive events will be explained with the help of examples. give themany real-life examples as possible. give application-based questions	Students will Solve questions from Ex 13.1 and 13.2 solve questions from Ex.13.3 to13.4 solve questions from Ex.13.5 and misc. on chap.13 simplify and solve application-based problems	Teacher will write observation and remarks after the class .

Teaching Aids: Smart board

Methodology/Innovative Methods: Discussion, Recall, Explanation, Question-Answer method, problem solving

Interdisciplinary Links: Applied in Engineering, Science and Economics.

Co-Ordinator

Vice-Principal

Principal.