CLASS – 12

MATHEMATICS SYLLABUS

2024-2025

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| MONTH | CHAPTER | PERIOD | ACTIVITY \ TOPIC  | PT \M. T  | INTERNAL ASSESSMENT | MARKS DISTRIBUTION  |
| SUBJECT ENRICHMENT NOTE BOOK |
| TERM 180 | PRE BOARED 80 |
| APRIL  | CH – 1 RELATION AND FUNCTION CH -2 INVERSE TRIGNOMETRIC FUNCTION  | 1515 | INTRODUCTION , TYPE OF FUNCTION , TYPE OF RELATION , COMPOSION OF FUNCTION AND INVERTIBLE FUNCTION DEFINATION , RANGE , DOMAIN , PRINCIPAL VALUE , GRAPHS , ELEMENTARY PROPERTIES |  |  ACTIVITY :NEAR AND CLEAN WORK REGULARITY MAKE PROJECT ON TRIGNOMETRIC FORMULA COPY CHECKING  |  | 08 |
| MAY | CH – 3MATRICES CH – 4 DETERMINANTS  | 2525 | INTRODUC TION , MATRIC , TYPE OF MATRIC, OPERATION MON METRICES , SYMETRIC AND SKEW SYMMETRIC , INVERTIBLE MATRICES INTRODUCTION , DETERMINANT , AREA OF TRIANGLE , MINORS , COFACTORS , ADJOINT AND INVERSE OF A MATRIX , APPLICATION OF DETERMINANTS AND METRICES  |  13/05/24 | ACTIVITY :MAKE PROJECT ON THIS CHAPTER NEAT AND CLEAN WORK REGULARITY |  | 10 |
| JUNE  | CH -5 CONTINUITY AND DIFFERENTIABILITY CH – 6 APPLICATION OF DERIVATIVES  | 20 10 | INTRODUCTIOM , CONTINUITY , DIFFERENTIABILITY , EXPONENTIAL AND LOGARITHMIC FUNCTION , DERIVATIVES OF FUNCTION IN PARAMETRIC FORM S , SECOUND ORDER DERIVATIVE INTRODUCTION OF DERIVATIVE , RATE OF CHANGE OF QUANTITIES , INCREASING AND DECREASING FUNCTION , MAXIMA AND MINIMA .  |  | DRAW GRAPH OF THE TFUNCTION AND PROJECT ON CONTINUITYMAKE ASSIGNMENT ON THIS CHAPTER  |  | 35 |
| JULY  | CH – 7 INTEGRALS CH – 8 APLLICATION O0F INTEGRALS C H – 9 DIFFERENTIAL EQUATION  | 201515 | INTRODUCTION , INTRIGRATION AS ON INVERSE PROCESS OF DIFFERENTION , METHOD OF INTEGRATION , INTEGRALS OF SOME PARTICULAR FUNCTION , INTEGRACTION BY PARTIAL FRACTION , INTRIGRATION BY PARTS , DEFINITE INTEGTALS , FUNDAMENTAL THEOREM OF CALCULUS EVALUTION OF DEFINITE INTEGRALS BY SUBSTITUTION , SOME PROPERTIES OF DEFINITE INTEGRALS .INTRODUCTION , AREA UNDER SIMPLE CURVERS , AREA SECTION TWO CURVES INTRODUCTION, BASIC CONCEPTS , GENERAL AND PARTICULAR SOLUTIONS OF A DIFFERENTIAL EQUATION WHOSE GENERALS SOLUTION IN GIVEN , METHOD NOF SOLVING FIRST ORDER DEGREE DIFFERENTIAL EQUATIONS .  |  | COLLECT ALL TRIGNOMETRIC FORMULA OF INTEGTALS AND WRITE ON CHART PAPER NEAT AND CLEAN WORK REGULARITY MAKE ASSIGNMENT ON DIFFRENTIAL EQUATION  |  |  |
| AUGUST | CH - 10  VECTOR SPACECH – 11 THREE DIAMENTIONAL GEOMETRY  | 1515 | INTRODUCTION , SOME BASIC CONCEPT , TYPES OF VECTORS , ADDITION OF VECTORSS , MULTIPLICATION OF VECTORS BY SCALAR , PRODUCT OF TWO VECTORSINTRODUCTION , DIRECTION COSINES AND DIRECTION RATIO OF A LINE , EQUATION OF A LINE IN SPACE , SHORTEST ,DISTANCE BETWEEN TWO LINES ,PLANE , COPLANARITY OF TWO LINES , ANGLE BETWEEN TWO PLANES , ANGLE BETWEEN TWO PLANES AND A PLANE .  |  | MAKE MODEL ON THIS CHAPTER NEAT AND CLEAN WORK MAKE PROJECT ON THIS CHAPTER  |  | 14 |
| September  | TERM – 1 EXAM CHAPTER 1 TO 11 CH – 12LINEAR PROGRAMMING  | 20 | INTRODUCTION , LINEAR PROGRAMMING PROBLEM AND ITS MATHEMATICAL FORMULATION , DIFFERENT TYPE OF LINEAR PROBLEMS |  | MAKE ASSIGNMENT ON THIS CHAPTERS  |  | 05 |
| October | CH – 13 PROBABILITY  | 30 | INTRODUCTION , CONDITIONAL PROBABILITY , MULTIPLICATION THEOREM ON PROBABILITY , INDEPENDENT EVENTS , BAYES THOREM , RANDOM VARIABLES AND ITS PROBABILITY DISTRIBUTION , NBERNOULLI TRIALS AND BIONOMIAL DISTRIBUTION .  |  | MAKE PROJECT ON THIS CHAPTER NEAT AND CLEAN WORK  |  | 08 |
| NOVMBER | REVISION FOR EXAM  |  |  | 25/11/24  |  |  |  |
| December | FINAL TERM  |  |  |  |  |  |  |
| FEBERARY AND MARCH  | REVISION AND EXAMINATION  |  |  |  |  |  |  |

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| UNIT TEST -1  | CH – 1 TO 3 |
| UNIT TEST -2 | CH – 4 TO 7  |
| UNIT TEST – 3  | CH – 8 TO 13 |

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| HALF YEARLY | CH – 1 TO 11 |
| YEARLY | CH 1 TO 13  |