| Column1 | Column2 | Column3 | Column4 | Column42 | Column5 | Column6 |
|---|---|---|---|---|---|---|
| SUBJECT | CLASS | CODE | *DEPARTMENT OF P U EDUCATION* | | *ACADEMIC PROGRAM FOR THE YEAR 2018-19* | |
| MATHEMATICS | II P U C | 35 | *PUC (4 THEORY+2 PROBLEM CLASSES A WEEK)* | *PROBLEM CLASSES / PRACTICE SESSIONS* | | |
| DAY | DATE | DAY | | | | |
| DAY 1 | 02-May-18 | WEDNESDAY | **CHAPTER-1: RELATIONS AND FUNCTIONS :** Recapitulaton of I PU Sets Relations and Functions | | | |
| DAY 2 | 3-May-18 | THURSDAY | Types of Relations Definitions along with examples | | | |
| DAY 3 | 04-May-18 | FRIDAY | Reflexive, Symmetric, Transitive and Equivalence Relations Definitions along with examples | | | |
| DAY 4 | 5-May-18 | SATURDAY | | Problems on Equivalene relations and others carrying 1, 2 and 3 marks. | | |
| DAY 5 | 06-May-18 | SUNDAY | | | | |
| DAY 6 | 7-May-18 | MONDAY | Functions definitions and types of functions one-one, on-to, in-to, many-one and bijective functions along with number of examples and digramatic representation. | | | |
| DAY 7 | 08-May-18 | TUESDAY | | Problems on types of relations carrying 1, 2 and 3 marks. | | |
| DAY 8 | 9-May-18 | WEDNESDAY | | | | |
| DAY 9 | 10-May-18 | THURSDAY | Composite functions definition gof,fog and properties | | | |
| DAY 10 | 11-May-18 | FRIDAY | Invertible functions definition and properties | | | |
| DAY 11 | 12-May-18 | SATURDAY | | | | |
| DAY 12 | 13-May-18 | SUNDAY | | | | |
| DAY 13 | 14-May-18 | MONDAY | | Problems on invertible functions carrying 5 marks. | | |
| DAY 14 | 15-May-18 | TUESDAY | **Binary operation** definition and properties like commutative, associative, identity and inverse | | | |
| DAY 15 | 16-May-18 | WEDNESDAY | | Problems on biary operation carrying 1, 2, and 3 marks. | | |
| DAY 16 | 17-May-18 | THURSDAY | **CHAPTER-2: INVERSE TRIGONOMETRIC FUNCTIONS :** recapitulation of range and domain of trigonometric functions. | | | |
| DAY 17 | 18-May-18 | FRIDAY | Inverse Trigonometric functions definition range and domain of inverse trigonometric functions with their graphs | | | |
| DAY 18 | 19-May-18 | SATURDAY | Properties of inverse trigonometric functionns like $\sin^{-1}(x) + \cos^{-1}(x) = \pi/2$ and $\sin^{-1}(1/x) = \csc^{-1}(1/x)$ and others---- | | | |
| DAY 19 | 20-May-18 | SUNDAY | | | | |
| DAY 20 | 21-May-18 | MONDAY | | Problems on principle value and properties carrying 1, 2 and 3 marks | | |
| DAY 21 | 22-May-18 | TUESDAY | Stadard results like $\tan^{-1}(x) \pm \tan^{-1}(y) = \tan^{-1}(x \pm y /1- \text{ or} +xy)$ and others | | | |
| DAY 22 | 23-May-18 | WEDNESDAY | Solving inverse trigonometric equations involving $\tan^{-1}, \sin^{-1}$ and $\cos^{-1}$. | | | |
| DAY 23 | 24-May-18 | THURSDAY | | Harder types of problems on expressing inverse trigonometric functions into simplest form | | |
| DAY 24 | 25-May-18 | FRIDAY | | Miscellaneous problems on Inverse trigonometric functions | | |
| DAY 25 | 26-May-18 | SATURDAY | **CHAPTER-3 : MARTICES :** Introduction and definition a brief biographical information may be given about the mathematicians like Cayley, J J Sylvester, Hamilton and others may be given | | | |
| DAY 26 | 27-May-18 | SUNDAY | | | | |
| DAY 27 | 28-May-18 | MONDAY | Types of matrices , operation on matrices - Addition and Subtraction | | | |
| DAY 28 | 29-May-18 | TUESDAY | Multiplication of matrices | | | |
| DAY 29 | 30-May-18 | WEDNESDAY | Properties of addition and multiplication of matrices | | | |

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| MATHEMATICS | II P U C | 35 | PUC (4 THEORY+2 PROBLEM CLASSES A WEEK) | PROBLEM CLASSES / PRACTICE SESSIONS | |
| DAY 30 | 31-May-18 THURSDAY | | | Problems on order of a matrix, operations on matrices and types of matrices carrying 1, 2and 3 marks | |
| DAY 31 | 01-Jun-18 FRIDAY | | | Problems carrying 5 marks on algebra of matrices | |
| DAY 32 | 2-Jun-18 SATURDAY | | Invertible matrix and finding inverse by elementary row and column operations | | |
| DAY 33 | 03-Jun-18 SUNDAY | | | | |
| DAY 34 | 4-Jun-18 MONDAY | | Symmetric and Skew symmetric matrices- definition, theorems and related problems carrying 1, 2 and 3 marks | | |
| DAY 35 | 05-Jun-18 TUESDAY | | **CHAPTER-4 : DETERMINANTS:** Definition of 2nd and 3rd order determinant and some simple problems to understand the definition | | |
| DAY 36 | 6-Jun-18 WEDNESDAY | | Verification of the properties of determinants for third order determinant - First 4 | | |
| DAY 37 | 07-Jun-18 THURSDAY | | Verification of the properties of determinants for third order determinant - 5 and 6 and simple problems to illustrare the properties | | |
| DAY 38 | 8-Jun-18 FRIDAY | | | problems on properties of determinants carrying 1, 2 and 4 marks | |
| DAY 39 | 09-Jun-18 SATURDAY | | Applications of determinants: Area of triangle and finding the equation of the line passing through two points and related problems(carrying 2 marks) | | |
| DAY 40 | 10-Jun-18 SUNDAY | | | | |
| DAY 41 | 11-Jun-18 MONDAY | | Minors and cofactors, adjoint of a matrix and verification of A.adjA = adjA.A = |A|I  for both 2x2 and 3x3 matrices | | |
| DAY 42 | 12-Jun-18 TUESDAY | | Theorems on inverse of a square matrix - 1, 2 and 3 statement only, Thm-4 statement and proof | | |
| DAY 43 | 13-Jun-18 WEDNESDAY | | | Problems on finding the inverse,|adjA|,|A-1| carrying 1,2 and 3 marks | |
| DAY 44 | 14-Jun-18 THURSDAY | | Solving the system of linear equationsby matrix method in two and three unknowns, by checking the consistancy. | | |
| DAY 45 | 15-Jun-18 FRIDAY | | | Problems on matrix method carrying 5 marks along with word problems | |
| DAY 46 | 16-Jun-18 SATURDAY | RAMZAN | | | |
| DAY 47 | 17-Jun-18 SUNDAY | | | | |
| DAY 48 | 18-Jun-18 MONDAY | | | Problems on properties of determinants harder cases | |
| DAY 49 | 19-Jun-18 TUESDAY | | | Miscellaneous exercise  problems | |
| DAY 50 | 20-Jun-18 WEDNESDAY | | | Miscellaneous exercise  problems | |
| DAY 51 | 21-Jun-18 THURSDAY | | **CHAPTER-5 :  CONTINUITY AND DIFFERENTIABALITY :** Recapitulation of limit of a function along with some simple problems | | |
| DAY 52 | 22-Jun-18 FRIDAY | | Continuity: Definitions(at a point, in an interval and in the domain of a function) along with graphical reprsentation of continuity of a function | | |
| DAY 53 | 23-Jun-18 SATURDAY | | | Problems on proving continuity of split functions, an algebroic function, trigonometric functions | |
| DAY 54 | 24-Jun-18 SUNDAY | | | | |
| DAY 55 | 25-Jun-18 MONDAY | | Continuity of greatest integer function, signum function, modulus function along with graph | | |

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| MATHEMATICS | II P U C | 35 | PUC (4 THEORY+2 PROBLEM CLASSES A WEEK) | PROBLEM CLASSES / PRACTICE SESSIONS | |
| DAY 56 | 26-Jun-18 TUESDAY | | Algebra of continuous functions and continuity of composite functions | | |
| DAY 57 | 27-Jun-18 WEDNESDAY | | | Problems on Algebra of continuous functions and continuity of composite functions carrying 1, 2 and 3 marks | |
| DAY 58 | 28-Jun-18 THURSDAY | | | Problems on continuity of a function carrying 4 marks | |
| DAY 59 | 29-Jun-18 FRIDAY | | Differentiabality : Definition and theorem on differentiability statement and proof | | |
| DAY 60 | 30-Jun-18 SATURDAY | | Derivative of composite functions by chain rule and related problems | | |
| DAY 61 | 01-Jul-18 SUNDAY | | | | |
| DAY 62 | 2-Jul-18 MONDAY | | Derivative of implicit functions by and related problems | | |
| DAY 63 | 03-Jul-18 TUESDAY | | Derivative of inverse trigonometric functions and related problems | | |
| DAY 64 | 4-Jul-18 WEDNESDAY | | Derivative of parametric functions and related problems | | |
| DAY 65 | 05-Jul-18 THURSDAY | | Exponential and Logarthimic functios domain, range and their graphs. Laws of Logarithms | | |
| DAY 66 | 6-Jul-18 FRIDAY | | Logarithmic differentiation and related problems | | |
| DAY 67 | 07-Jul-18 SATURDAY | | Second order derivatives introduction and simple problems | | |
| DAY 68 | 8-Jul-18 SUNDAY | | | | |
| DAY 69 | 09-Jul-18 MONDAY | | | Standard problems and harder cases on second order derivatives carrying 5 marks | |
| DAY 70 | 10-Jul-18 TUESDAY | | Rolles theorem and Mean value theorem statement, geometrical interpretation and problems | | |
| DAY 71 | 11-Jul-18 WEDNESDAY | | | Derivative of a determinant, proving sin(x+y) using derivatives | |
| DAY 72 | 12-Jul-18 THURSDAY | | | Miscellaneous exercise problems on continuity differentiation | |
| DAY 73 | 13-Jul-18 FRIDAY | | CHAPTER-6 : APPLICATION OF DERIVATIVES : Introduction and derivative as a rate measure and recapitulation of areas and volumes 2-D, 3-D figures | | |
| DAY 74 | 14-Jul-18 SATURDAY | | | Cone problem, ladder problem, shadow problem and other problems relate to rate measure carrying 5 marks | |
| DAY 75 | 15-Jul-18 SUNDAY | | | | |
| DAY 76 | 16-Jul-18 MONDAY | | Increasing and Decreasing functions : definitions and illustrations along with graphical representations | | |
| DAY 77 | 17-Jul-18 TUESDAY | | Theorem on Increasing and Decreasing functions statement and proof | | |
| DAY 78 | 18-Jul-18 WEDNESDAY | | | Varieties of problems on Increasing and Decreasing functions carrying 2 and 3 marks | |
| DAY 79 | 19-Jul-18 THURSDAY | 1st test | | | |
| DAY 80 | 20-Jul-18 FRIDAY | 1st test | | | 1 TEST |
| DAY 81 | 21-Jul-18 SATURDAY | 1st test | | | |
| DAY 82 | 22-Jul-18 SUNDAY | | | | |
| DAY 83 | 23-Jul-18 MONDAY | | Tangents and Normals, Angle between the curves and related problems | | |
| DAY 84 | 24-Jul-18 TUESDAY | | Errors and Approximations and problems carrying 2 and 3 marks | | |
| DAY 85 | 25-Jul-18 WEDNESDAY | | Maxima and Minima introduction and problems carrying 2 and 3 marks | | |

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| MATHEMATICS | II P U C | 35 | PUC (4 THEORY+2 PROBLEM CLASSES A WEEK) | PROBLEM CLASSES / PRACTICE SESSIONS | | |
| DAY 86 | 26-Jul-18 THURSDAY | | Global maximum and Global minimum and probleme carrying 2 and 3 marks | | | |
| DAY 87 | 27-Jul-18 FRIDAY | | **CHAPTER-7 : INTERGRALS :** Integration as the the inverse process of differentiation, arbitrary constant, symbol and integral constant | | | |
| DAY 88 | 28-Jul-18 SATURDAY | | List of standard integrals, properties of indefinite integrals and geometrical interpretation of integrals | | | |
| DAY 89 | 29-Jul-18 SUNDAY | | | | | |
| DAY 90 | 30-Jul-18 MONDAY | | Comparision of integration and differentiation and some problems carrying 1 and 2 marks | | | |
| DAY 91 | 31-Jul-18 TUESDAY | | | Problems on standard integrals carrying 1, 2 and 3 marks | | |
| DAY 92 | 1-Aug-18 WEDNESDAY | | **Methods of integration :** Substitution, Using trigonometric identities | | | |
| DAY 93 | 02-Aug-18 THURSDAY | | | Problems on substitution carrying 1, 2 and 3 marks | | |
| DAY 94 | 3-Aug-18 FRIDAY | | | Problems on trigonometric identities carrying 1, 2 and 3 marks | | |
| DAY 95 | 04-Aug-18 SATURDAY | | Integration by using standard substitutions all the six derivations | | | |
| DAY 96 | 5-Aug-18 SUNDAY | | | | | |
| DAY 97 | 06-Aug-18 MONDAY | | | Problems on standard substitutions involving the proof of the derivations, carrying 5 marks | | |
| DAY 98 | 7-Aug-18 TUESDAY | | Intetegration by completing squares and integrals of the form Px + Q/ax2 + bx +c or squqre root of ax2 + bx +c | | | |
| DAY 99 | 08-Aug-18 WEDNESDAY | | | Problems on the two methods carrying 2 and 3 marks | | |
| DAY 100 | 9-Aug-18 THURSDAY | | Integration by partial fractions and related problems carrying 2 and 3 marks | | | |
| DAY 101 | 10-Aug-18 FRIDAY | | Integration by parts and three standard derivations | | | |
| DAY 102 | 11-Aug-18 SATURDAY | | | Problems on integrtion by parts and standard derivations involving the proof of the derivations, carrying 5 marks | | |
| DAY 103 | 12-Aug-18 SUNDAY | | | | | |
| DAY 104 | 13-Aug-18 MONDAY | | Integrals of the form ex [f(x) + f1(x)] and relate problems, Definite integrals as limt of sum and related problems | | | |
| DAY 105 | 14-Aug-18 TUESDAY | | **Definite integrals :** Definition and related problems to illustrate this | | | |
| DAY 106 | 15-Aug-18 WEDNESDAY | | INDEPENDENCE DAY | | | |
| DAY 107 | 16-Aug-18 THURSDAY | | **Properties of definite integals : P0, P1, P2, P3** statement and proof | | | |
| DAY 108 | 17-Aug-18 FRIDAY | | **P4, P5, P6, P7** statement and proof | | | |
| DAY 109 | 18-Aug-18 SATURDAY | | | Problems on properties of carrying 2, 3 and 6 marks | | |
| DAY 110 | 19-Aug-18 SUNDAY | | | | | |
| DAY 111 | 20-Aug-18 MONDAY | | | Miscellaneous exercise problems on chapter-7 carrying 1, 2, 3 and 6 marks | | |
| DAY 112 | 21-Aug-18 TUESDAY | | **CHAPTER-8 : APPLICATION OF INTEGRATION :** Fundamental theorems of calculus 1 and 2 statement only and definite integral as area under the curve introduction and problems to illustrate this | | | |
| DAY 113 | 22-Aug-18 WEDNESDAY | | BAKRID | | | |

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| MATHEMATICS | II P U C | 35 | PUC (4 THEORY+2 PROBLEM CLASSES A WEEK) | PROBLEM CLASSES / PRACTICE SESSIONS | | |
| DAY 114 | 23-Aug-18 | THURSDAY | Area bounded i) by a curve and a line and related problems carrying 3 and 5 marks | | | |
| DAY 115 | 24-Aug-18 | FRIDAY | Area bounded by ii) a circle iii) an ellipse, Area between two curves i) parabola and aparabola carrying 5 marks | | | |
| DAY 116 | 25-Aug-18 | SATURDAY | Area between two curves ii) circle and a parabola carrying 5 marks | | | |
| DAY 117 | 26-Aug-18 | SUNDAY | | | | |
| DAY 118 | 27-Aug-18 | MONDAY | Area between two curves iii) circle and a circle carrying 5 marks | | | |
| DAY 119 | 28-Aug-18 | TUESDAY | Area of a triangle carrying 5 marks | | | |
| DAY 120 | 29-Aug-18 | WEDNESDAY | | Miscellaneous exercise problems carrying 3 and 5 marks | | |
| DAY 121 | 30-Aug-18 | THURSDAY | | Problems involving inequalities carrying 5 marks | | |
| DAY 122 | 31-Aug-18 | FRIDAY | CHAPTER - 9 : DIFFERENTIAL EQUATIONS : Introduction, Definition ,Basic concepts, Types of differential equations.Order and Degree of a differential equation and related problems carrying 1, 2 and 3 marks | | | |
| DAY 123 | 01-Sep-18 | SATURDAY | Solution of a differential equation : General and particular solution and problems on verifying the solution of the differential equation carrying 1 and 2 marks | | | |
| DAY 124 | 2-Sep-18 | SUNDAY | | | | |
| DAY 125 | 03-Sep-18 | MONDAY | Formation of a differential Equation : i) when the solution is given ii) Word problems, carrying 2 and 3 marks | | | |
| DAY 126 | 4-Sep-18 | TUESDAY | Methods of solving a differential equation : First Order, first Degree: variable seperable form carrying 3 and 5 marks | | | |
| DAY 127 | 05-Sep-18 | WEDNESDAY | | Harder cases of finding the general and particular solution of first order, first degree differential equations in variable seperable form | | |
| DAY 128 | 6-Sep-18 | THURSDAY | Homogeneous differential equations : Definition, problems on solution of homogeneous differential equations (in two forms) carrying 3 marks | | | |
| DAY 129 | 07-Sep-18 | FRIDAY | | Finding the general and particular solution of homogeneous differential equations (in two forms) | | |
| DAY 130 | 8-Sep-18 | SATURDAY | Linear differential equations : i) $dy/dx + py = Q$  ii)  $dx/dy + P_1y = Q_1$, finding the integrating factor and solution ; Finding the general and particular solution of linear differential equations (in two forms) carrying 5 marks | | | |
| DAY 131 | 09-Sep-18 | SUNDAY | | | | |
| DAY 132 | 10-Sep-18 | MONDAY | MID TERM EXAMINATION | | | |
| DAY 133 | 11-Sep-18 | TUESDAY | MID TERM EXAMINATION | | | |
| DAY 134 | 12-Sep-18 | WEDNESDAY | MID TERM EXAMINATION | | | |
| DAY 135 | 13-Sep-18 | THURSDAY | GANESH CHATURTHI | | | |
| DAY 136 | 14-Sep-18 | FRIDAY | MID TERM EXAMINATION | | | |
| DAY 137 | 15-Sep-18 | SATURDAY | MID TERM EXAMINATION | | | MID TERM |
| DAY 138 | 16-Sep-18 | SUNDAY | | | | |
| DAY 139 | 17-Sep-18 | MONDAY | MID TERM EXAMINATION | | | |
| DAY 140 | 18-Sep-18 | TUESDAY | MID TERM EXAMINATION | | | |
| DAY 141 | 19-Sep-18 | WEDNESDAY | MID TERM EXAMINATION | | | |
| DAY 142 | 20-Sep-18 | THURSDAY | MID TERM EXAMINATION | | | |
| DAY 143 | 21-Sep-18 | FRIDAY | LAST DAY OF MOHARRUM | | | |

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|---|---|---|---|---|---|---|
| **MATHEMATICS** | **II P U C** | **35** | ***PUC (4 THEORY+2 PROBLEM CLASSES A WEEK)*** | ***PROBLEM CLASSES / PRACTICE SESSIONS*** | | |
| DAY 144 | 22-Sep-18 SATURDAY | | | Word problems, miscellaneous exerise problems on LDE | | |
| DAY 145 | 23-Sep-18 SUNDAY | | | | | |
| DAY 146 | 24-Sep-18 MONDAY | | | Word problems, miscellaneous exerise problems on LDE | | |
| DAY 147 | 25-Sep-18 TUESDAY | | **CHAPTER-10 :VECTOR ALGEBRA :**Introduction, Definition ,Different types of vectors based on magnitude and direction, unit vector in the direction of the given vector, Negative of the given vector | | | |
| DAY 148 | 26-Sep-18 WEDNESDAY | | Operations on Vectors : Additon, Subtraction and Scalar multiplication of a vector Properties of Addition of vectors : Commutative, Associative stament and proof, Position vector of a point-Definition | | | |
| DAY 149 | 27-Sep-18 THURSDAY | | Expressing Vector AB = P.V. of B - P.V. of A, Section formula statement and proof, Midpoint formula,External section fomula | | | |
| DAY 150 | 28-Sep-18 FRIDAY | | Resolution of vectors in 2-D and 3-D, Definition of Direction Cosines and Rrelationship between the direction cosines and the mention of direction ratios or direction numbers | | | |
| DAY 151 | 29-Sep-18 SATURDAY | | | Problems on D.R. s, Addition and subtraction of vectors , Section formula carrying 1, 2 and 3 marks | | |
| DAY 152 | 30-Sep-18 SUNDAY | | | | | |
| DAY 153 | 01-Oct-18 MONDAY | | Product of vectors : i) Dot or Scalar product and related properties along with geometrical interpretation | | | |
| DAY 154 | 2-Oct-18 TUESDAY | | MAHATHMA GANDHI JAYANTHI | | | |
| DAY 155 | 03-Oct-18 WEDNESDAY | | | Problems on dot product of vectors carrying 1, 2 and 3 marks | | |
| DAY 156 | 4-Oct-18 THURSDAY | | ii) Vector product or Cross product and related properties along with geometrical interpretation | | | |
| DAY 157 | 05-Oct-18 FRIDAY | | | Problems on cross product carrying 1, 2 and 3 marks | | |
| DAY 158 | 6-Oct-18 SATURDAY | | iii) Scalar triple product : Definition and properties | | | |
| DAY 159 | 07-Oct-18 SUNDAY | | | | | |
| DAY 160 | 8-Oct-18 MONDAY | | MAHALAYA AMMAVASYA | | | |
| DAY 161 | 09-Oct-18 TUESDAY | | | Problems on STP giving more importance to Coplanarity of vectors carrying 2 and 3 marks | | |
| DAY 162 | 10-Oct-18 WEDNESDAY | | **CHAPTER - 11 : THREE DIMENSIONAL GEOMETRY :** Recapitulation of I P U 3-D geometry , Definition of Direction Cosines and Direction ratios of a line , To  derive the DR of a line joining 2 points and the relationship between DCs and DRs of a line | | | |
| DAY 163 | 11-Oct-18 THURSDAY | | | Problems on DRs and Dcs carrying  2 and 3 marks | | |
| DAY 164 | 12-Oct-18 FRIDAY | | Derivations : i) equation of aline passing through a point and parallel to a vector  ii) equation of a line passing through  two points. Angle between the lines condition for perpendicularity and parallellism of two lines | | | |
| DAY 165 | 13-Oct-18 SATURDAY | | | Problems on equation of line in different forms, angle between the lines carrying 2 an 3 marks | | |
| DAY 166 | 14-Oct-18 SUNDAY | | | | | |
| DAY 167 | 15-Oct-18 MONDAY | | | | | |

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| MATHEMATICS | II PUC | 35 | PUC (4 THEORY+2 PROBLEM CLASSES A WEEK) | PROBLEM CLASSES / PRACTICE SESSIONS | | |
| DAY 168 | 16-Oct-18 | TUESDAY | | | | |
| DAY 169 | 17-Oct-18 | WEDNESDAY | | | | |
| DAY 170 | 18-Oct-18 | THURSDAY | MAHANAVAMI | | | |
| DAY 171 | 19-Oct-18 | FRIDAY | VIJAYADASHMI | | | |
| DAY 172 | 20-Oct-18 | SATURDAY | | | | |
| DAY 173 | 21-Oct-18 | SUNDAY | | | | MID TERM |
| DAY 174 | 22-Oct-18 | MONDAY | | | | TERM |
| DAY 175 | 23-Oct-18 | TUESDAY | | | | VACATION |
| DAY 176 | 24-Oct-18 | WEDNESDAY | VALMIKI JAYANTHI | | | |
| DAY 177 | 25-Oct-18 | THURSDAY | | | | |
| DAY 178 | 26-Oct-18 | FRIDAY | | | | |
| DAY 179 | 27-Oct-18 | SATURDAY | | | | |
| DAY 180 | 28-Oct-18 | SUNDAY | | | | |
| DAY 181 | 29-Oct-18 | MONDAY | Skew lines - Definition and iii) derivation of a fomula to find shortest distance between the skew lines iv) Parallel lines - Definition and derivation of a fomula to find perpendicular distance between the parallel lines | | | |
| DAY 182 | 30-Oct-18 | TUESDAY | | Problems on skew lines and parallel lines carrying 2 and 3 marks | | |
| DAY 183 | 31-Oct-18 | WEDNESDAY | Equation of planes in different forms : v) Normal form vi) Passing through a plane and pependicular to given vector | | | |
| DAY 184 | 1-Nov-18 | THURSDAY | KANNADA RAJYOTHSAVA | | | |
| DAY 185 | 02-Nov-18 | FRIDAY | vii) Passing through three non- collinear points viii) Passing through the line of intersection of two planes ix) Intercept form | | | |
| DAY 186 | 3-Nov-18 | SATURDAY | Derivations : x) Coplanarity of two lines xi) Perpendicular distance between a point and the given plane | | | |
| DAY 187 | 04-Nov-18 | SUNDAY | | | | |
| DAY 188 | 5-Nov-18 | MONDAY | Angle between two planes, Angle between a line and a normal to plane, Angle between a line and a plne | | | |
| DAY 189 | 06-Nov-18 | TUESDAY | NARAKA CHATURDASHI | | | |
| DAY 190 | 7-Nov-18 | WEDNESDAY | | Problems on the above derivations and concepts carrying 1, 2 and 3 marks | | |
| DAY 191 | 08-Nov-18 | THURSDAY | BALIPADYAMI DEEPAWALI | | | |
| DAY 192 | 9-Nov-18 | FRIDAY | | Problems on the above derivations and concepts carrying 1, 2 and 3 marks | | |
| DAY 193 | 10-Nov-18 | SATURDAY | **CHAPTER - 12 : LINEAR PROGRAMMING :** Introduction and basic terminologies on LPP | | | |
| DAY 194 | 11-Nov-18 | SUNDAY | | | | |
| DAY 195 | 12-Nov-18 | MONDAY | Definitions : Consraints, Decision Variables, Objective function, Optimal value, Optimal solution, Feasible Region, Infeasible Region, Corner Points, Bounded and Unbounded Region | | | |
| DAY 196 | 13-Nov-18 | TUESDAY | 2 Theorems on LPP statement only, Types of LPP and a brief explaination on corner point method of LPP | | | |
| DAY 197 | 14-Nov-18 | WEDNESDAY | | Manufacture problems carrying 6 marks | | |
| DAY 198 | 15-Nov-18 | THURSDAY | | Diet problems carrying 6 marks | | |
| DAY 199 | 16-Nov-18 | FRIDAY | | Transportation problem | | |
| DAY 200 | 17-Nov-18 | SATURDAY | | Miscellaneous exercise problems on LPP | | |
| DAY 201 | 18-Nov-18 | SUNDAY | | | | |

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| MATHEMATICS | II P U C | 35 | PUC (4 THEORY+2 PROBLEM CLASSES A WEEK) | PROBLEM CLASSES / PRACTICE SESSIONS | | |
| DAY 202 | 19-Nov-18 | MONDAY | CHAPTER - 13 : PROBABILITY : Recapitulation of I P U probability, Introduction and Definition of conditional probability along with illustration and showing that P(A\|B) = P(A intersection B)/P(B), P(B\|A) = P(A intersection B)/P(A) | | | |
| DAY 203 | 20-Nov-18 | TUESDAY | Properties of conditional probability P(A union B\|F) = -- , P(S\|F) = P(F\|F) =1 and P(E1\|F) = 1 - P(E\|F) proof | | | |
| DAY 204 | 21-Nov-18 | WEDNESDAY | EID MILAD | | | |
| DAY 205 | 22-Nov-18 | THURSDAY | | Problems on conditional probability carrying 1, 2 and 3 marks | | |
| DAY 206 | 23-Nov-18 | FRIDAY | Multipcation theorem of probability statement and proof, Independent events- definition and difference between independent events and mutually exclusive events with illustrations | | | |
| DAY 207 | 24-Nov-18 | SATURDAY | | Problems on multiplication theorem and independent events carrying 1, 2 and 3 marks | | |
| DAY 208 | 25-Nov-18 | SUNDAY | | | | |
| DAY 209 | 26-Nov-18 | MONDAY | KANAKADASA JAYANTHI | | | |
| DAY 210 | 27-Nov-18 | TUESDAY | Partition of the sampolle space : Definition with illustrations, Theorem of total probality and Bayes theorem statement and proof | | | |
| DAY 211 | 28-Nov-18 | WEDNESDAY | | Problems on total probability theorem and Bayes theorem carrying 3 marks | | |
| DAY 212 | 29-Nov-18 | THURSDAY | | Problems on Bayes theorem carrying 1, 2 and 3 marks | | |
| DAY 213 | 30-Nov-18 | FRIDAY | Random variable : Definition with illustrations, Probability distribution of random variable : definition and illustrations | | | |
| DAY 214 | 1-Dec-18 | SATURDAY | | Problems on random variable and probability distribution carrying 1, 2 and 3 marks | | |
| DAY 215 | 02-Dec-18 | SUNDAY | | | | |
| DAY 216 | 3-Dec-18 | MONDAY | Mean or Expectation of X ( E(x) ) or weighted average of X, Variance and Standard deviation of random variable - definition and fomula to calculate them | | | |
| DAY 217 | 04-Dec-18 | TUESDAY | | Problems on mean, variance and standard deviation of random variable carrying 1,2 and 3 marks | | |
| DAY 218 | 5-Dec-18 | WEDNESDAY | Bernouli trials : Definition and illustrations with number of examples formula for finding P(x successes) of Bernouli trials by using binomial theorem | | | |
| DAY 219 | 06-Dec-18 | THURSDAY | 2nd test | | | |
| DAY 220 | 7-Dec-18 | FRIDAY | 2nd test | | | 2 TEST |
| DAY 221 | 08-Dec-18 | SATURDAY | 2nd test | | | |
| DAY 222 | 9-Dec-18 | SUNDAY | | | | |
| DAY 223 | 10-Dec-18 | MONDAY | | Problems on Bernouli trials and binomial distribution, including harder cases carrying 5 marks | | |
| DAY 224 | 11-Dec-18 | TUESDAY | Revision classe/ Remedial Guidance class | | | |
| DAY 225 | 12-Dec-18 | WEDNESDAY | Revision classe/ Remedial Guidance class | | | |
| DAY 226 | 13-Dec-18 | THURSDAY | Revision classe/ Remedial Guidance class | | | |
| DAY 227 | 14-Dec-18 | FRIDAY | Revision classe/ Remedial Guidance class | | | |
| DAY 228 | 15-Dec-18 | SATURDAY | Revision classe/ Remedial Guidance class | | | |
| DAY 229 | 16-Dec-18 | SUNDAY | | | | |
| DAY 230 | 17-Dec-18 | MONDAY | Revision classe/Remedial Guidance class | | | |

| SUBJECT | CLASS | CODE | DEPARTMENT OF P U EDUCATION | | ACADEMIC PROGRAM FOR THE YEAR 2018-19 | |
|---|---|---|---|---|---|---|
| MATHEMATICS | II P U C | 35 | PUC (4 THEORY+2 PROBLEM CLASSES A WEEK) | PROBLEM CLASSES / PRACTICE SESSIONS | | |
| DAY 231 | 18-Dec-18 | TUESDAY | Revision classe/Remedial Guidance class | | | |
| DAY 232 | 19-Dec-18 | WEDNESDAY | Revision classe/Remedial Guidance class | | | |
| DAY 233 | 20-Dec-18 | THURSDAY | Revision classe/Remedial Guidance class | | | |
| DAY 234 | 21-Dec-18 | FRIDAY | Revision classe/Remedial Guidance class | | | |
| DAY 235 | 22-Dec-18 | SATURDAY | Revision classe/Remedial Guidance class | | | |
| DAY 236 | 23-Dec-18 | SUNDAY | | | | |
| DAY 237 | 24-Dec-18 | MONDAY | Revision class/ Remedial Guidance class | | | |
| DAY 238 | 25-Dec-18 | TUESDAY | CHRISTMAS | | | |
| DAY 239 | 26-Dec-18 | WEDNESDAY | Revision class/ Remedial Guidance class | | | |
| DAY 240 | 27-Dec-18 | THURSDAY | Revision class/ Remedial Guidance class | | | |
| DAY 241 | 28-Dec-18 | FRIDAY | Revision class/ Remedial Guidance class | | | |
| DAY 242 | 29-Dec-18 | SATURDAY | Revision class/ Remedial Guidance class | | | |
| DAY 243 | 30-Dec-18 | SUNDAY | | | | |
| DAY 244 | 31-Dec-18 | MONDAY | Revision class/ Remedial Guidance class | | | |
| DAY 245 | 01-Jan-19 | TUESDAY | Revision class/ Remedial Guidance class | | | |
| DAY 246 | 2-Jan-19 | WEDNESDAY | Revision class/ Remedial Guidance class | | | |
| DAY 247 | 03-Jan-19 | THURSDAY | Revision class/ Remedial Guidance class | | | |
| DAY 248 | 4-Jan-19 | FRIDAY | Revision class/ Remedial Guidance class | | | |
| DAY 249 | 05-Jan-19 | SATURDAY | Revision class/ Remedial Guidance class | | | |
| DAY 250 | 6-Jan-19 | SUNDAY | | | | |
| DAY 251 | 07-Jan-19 | MONDAY | Preparatory Examination | | | |
| DAY 252 | 8-Jan-19 | TUESDAY | Preparatory Examination | | | |
| DAY 253 | 09-Jan-19 | WEDNESDAY | Preparatory Examination | | | |
| DAY 254 | 10-Jan-19 | THURSDAY | Preparatory Examination | | | 2NDPUC PREPARATORY |
| DAY 255 | 11-Jan-19 | FRIDAY | Preparatory Examination | | | EXAM |
| DAY 256 | 12-Jan-19 | SATURDAY | Preparatory Examination | | | |
| DAY 257 | 13-Jan-19 | SUNDAY | | | | |
| DAY 258 | 14-Jan-19 | MONDAY | Preparatory Examination | | | |
| DAY 259 | 15-Jan-19 | TUESDAY | MAKARASANKRANTI | | | |
| DAY 260 | 16-Jan-19 | WEDNESDAY | Preparatory Examination | | | |
| DAY 261 | 17-Jan-19 | THURSDAY | Preparatory Examination | | | |
| DAY 262 | 18-Jan-19 | FRIDAY | Revision class/ Rmedial Guidance class | | | |
| DAY 263 | 19-Jan-19 | SATURDAY | Revision class/ Rmedial Guidance class | | | |
| DAY 264 | 20-Jan-19 | SUNDAY | | | | |
| DAY 265 | 21-Jan-19 | MONDAY | Revision class/ Remedial Guidance class | | | |
| DAY 266 | 22-Jan-19 | TUESDAY | Revision class/ Remedial Guidance class | | | |
| DAY 267 | 23-Jan-19 | WEDNESDAY | Revision class/ Remedial Guidance class | | | |
| DAY 268 | 24-Jan-19 | THURSDAY | Revision class/ Remedial Guidance class | | | |
| DAY 269 | 25-Jan-19 | FRIDAY | Revision class/ Remedial Guidance class | | | |
| DAY 270 | 26-Jan-19 | SATURDAY | REPUBLIC DAY | | | |
| DAY 271 | 27-Jan-19 | SUNDAY | | | | |
| DAY 272 | 28-Jan-19 | MONDAY | Revision class/ Remedial Guidance class | | | |
| DAY 273 | 29-Jan-19 | TUESDAY | Revision class/ Remedial Guidance class | | | |
| DAY 274 | 30-Jan-19 | WEDNESDAY | Revision class/ Remedial Guidance class | | | |
| DAY 275 | 31-Jan-19 | THURSDAY | Revision class/ Remedial Guidance class | | | |
| DAY 276 | 1-Feb-19 | FRIDAY | Revision class/ Remedial Guidance class | | | |
| DAY 277 | 02-Feb-19 | SATURDAY | Revision class/ Remedial Guidance class | | | |
| DAY 278 | 3-Feb-19 | SUNDAY | | | | |
| DAY 279 | 04-Feb-19 | MONDAY | Revision class/ Remedial Guidance class | | | |
| DAY 280 | 5-Feb-19 | TUESDAY | Revision class/ Remedial Guidance class | | | |
| DAY 281 | 06-Feb-19 | WEDNESDAY | Revision class/ Remedial Guidance class | | | |
| DAY 282 | 7-Feb-19 | THURSDAY | Revision class/ Remedial Guidance class | | | |
| DAY 283 | 08-Feb-19 | FRIDAY | Revision class/ Remedial Guidance class | | | |

| SUBJECT | CLASS | CODE | DEPARTMENT OF P U EDUCATION | ACADEMIC PROGRAM FOR THE YEAR 2018-19 | |
|---|---|---|---|---|---|
| MATHEMATICS | II P U C | 35 | PUC (4 THEORY+2 PROBLEM CLASSES A WEEK) | PROBLEM CLASSES / PRACTICE SESSIONS | |
| DAY 284 | 9-Feb-19 | SATURDAY | Revision class/ Remedial Guidance class | | |
| DAY 285 | 10-Feb-19 | SUNDAY | | | |
| DAY 286 | 11-Feb-19 | MONDAY | Revision class/ Remedial Guidance class | | |
| DAY 287 | 12-Feb-19 | TUESDAY | Revision class/ Remedial Guidance class | | |
| DAY 288 | 13-Feb-19 | WEDNESDAY | Revision class/ Remedial Guidance class | | 1PU ANNUAL EXAM |
| DAY 289 | 14-Feb-19 | THURSDAY | Revision class/ Remedial Guidance class | | |
| DAY 290 | 15-Feb-19 | FRIDAY | Revision class/ Remedial Guidance class | | |
| DAY 291 | 16-Feb-19 | SATURDAY | Revision class/ Remedial Guidance class | | |
| DAY 292 | 17-Feb-19 | SUNDAY | | | |
| DAY 293 | 18-Feb-19 | MONDAY | Revision class/ Remedial Guidance class | | |
| DAY 294 | 19-Feb-19 | TUESDAY | Revision class/ Remedial Guidance class | | |
| DAY 295 | 20-Feb-19 | WEDNESDAY | Revision class/ Remedial Guidance class | | |
| DAY 296 | 21-Feb-19 | THURSDAY | Revision class/ Remedial Guidance class | | |
| DAY 297 | 22-Feb-19 | FRIDAY | Revision class/ Remedial Guidance class | | |
| DAY 298 | 23-Feb-19 | SATURDAY | Revision class/ Remedial Guidance class | | |
| DAY 299 | 24-Feb-19 | SUNDAY | | | |
| DAY 300 | 25-Feb-19 | MONDAY | Revision class/ Remedial Guidance class | | |
| DAY 301 | 26-Feb-19 | TUESDAY | Revision class/ Remedial Guidance class | | |
| DAY 302 | 27-Feb-19 | WEDNESDAY | Revision class/ Remedial Guidance class | | |
| DAY 303 | 28-Feb-19 | THURSDAY | Revision class/ Remedial Guidance class | | |
| DAY 304 | 1-Mar-19 | FRIDAY | Revision class/ Remedial Guidance class | | |
| DAY 305 | 02-Mar-19 | SATURDAY | ANNUAL EXAMINATION | | |
| DAY 306 | 3-Mar-19 | SUNDAY | | | |
| DAY 307 | 04-Mar-19 | MONDAY | MAHASHIVARATRI | | |
| DAY 308 | 5-Mar-19 | TUESDAY | ANNUAL EXAMINATION | | |
| DAY 309 | 06-Mar-19 | WEDNESDAY | ANNUAL EXAMINATION | | |
| DAY 310 | 7-Mar-19 | THURSDAY | ANNUAL EXAMINATION | | |
| DAY 311 | 08-Mar-19 | FRIDAY | ANNUAL EXAMINATION | | |
| DAY 312 | 9-Mar-19 | SATURDAY | ANNUAL EXAMINATION | | |
| DAY 313 | 10-Mar-19 | SUNDAY | | | |
| DAY 314 | 11-Mar-19 | MONDAY | ANNUAL EXAMINATION | | |
| DAY 315 | 12-Mar-19 | TUESDAY | ANNUAL EXAMINATION | | |
| DAY 316 | 13-Mar-19 | WEDNESDAY | ANNUAL EXAMINATION | | |
| DAY 317 | 14-Mar-19 | THURSDAY | ANNUAL EXAMINATION | | |
| DAY 318 | 15-Mar-19 | FRIDAY | ANNUAL EXAMINATION | | |
| DAY 319 | 16-Mar-19 | SATURDAY | ANNUAL EXAMINATION | | |
| DAY 320 | 17-Mar-19 | SUNDAY | | | |
| DAY 321 | 18-Mar-19 | MONDAY | ANNUAL EXAMINATION | | |
| DAY 322 | 19-Mar-19 | TUESDAY | ANNUAL EXAMINATION | | |
| DAY 323 | 20-Mar-19 | WEDNESDAY | ANNUAL EXAMINATION | | |

**Note:**
1. Please select the questions for the problem classes only from the question bank provided from the departmer Department of P U Education.
2. At the end of every week a special class may be taken inwhich MCQ/ Miscellaneous/ Exemplar problems can be solved
3. Please set the question paper for the mid-term and preparatory examination in the board pattern