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| SUBJECT: Mathematics | | | **SYLLABUS FOR THE ACADEMIC YEAR 2021-2022** |  |  |
| OPTION: |  |  |  |  |  |
| GRADE: 10 | |  |  |  |  |
| Month | Date | No.of days | Topics | Sub Topics | Lead |
|  |  |  |  |  |  |
| April | 11-15 | 5 |  |  | RANGEENA |
|  | 18-22 | 5 | Arithmetic sequence | Snumber Sequences, terms of number sequences , |  |
|  | 25-29 | 5 | Arithmetic sequence | Arithmetic sequence, termsof arithmetic sequence |  |
| May | 2-6 | 5 | Arithmetic sequence | Terms of arithmetic sequence, algebra of terms of arithmetic sequence |  |
|  | 9-13 | 2 | Arithmetic sequence | Algebra of terms of arithmetic sequence |  |
|  | 16-20 | 5 | Arithmetic sequence/Mathematics of chances | Sum of n terms, Probablity of the single event, geometric probablility |  |
|  | 23-27 | 5 | Mathematics of chances/Second degree equations | Probability of pairs,Second degree (completing square method |  |
|  | 30-31 | 2 | Second degree equations | Equation method |  |
| June | 1-3 | 3 | Polynomials | Factors and solution, factor theorem |  |
|  | 6-10 | 5 | Polynomials,Revision | solutions and factor,Revision |  |
|  | 13- 17 | 5 | ***First Term Examination*** |  |  |
|  | 20-24 | 5 | ***First Term Examination*** |  |  |
|  | 27-30 | 4 | Coordinates | coordinate representation,Coordinates on rectangle |  |
| August | 29-31 | 3 | Coordinates | Distance formula |  |
| September | 1-2 | 2 | Geometry and Algebra | Midpoint,Ratio |  |
|  | 5-9 | 5 | Geometry and Algebra | Straight line,Equations |  |
|  | 12-16 | 5 | Statistics | Mean,median |  |
|  | 19- 23 | 5 | solids | Pyramids,TSA |  |
|  | 26- 30 | 5 | solids | TSA,volume of square pyramid and cone |  |
| October | 3-7 | 5 | Solids | Surface and volume of sphere |  |
|  | 10 14 | 5 | Trigonometry | Basics/ angles and sides |  |
|  | 17 -21 | 4 | Trigonometry | New measures of angles |  |
|  | 24-28 | 5 | Trigonometry | Triangle and circle, another measuress, distances and height |  |
| November | 1- 4 | 4 | Trigonometr/Revision |  |  |
|  | 7-11 | 5 | ***Second Term Examination*** |  |  |
|  | 14- 18 | 5 | ***Second Term Examination*** |  |  |
|  | 21-25 | 5 | Circles | Right angle and circles, chord ngle and arc, |  |
|  | 28-30 | 3 | Circles | Circle and quadrilateral, two chords |  |
| December | 5-9 | 5 | Circles/tangents | Two chords, Tangents & radius |  |
| January | 2-6 | 5 | Tangents | tangents and chord, a tangent from outside |  |
|  | 9-13 | 5 | *Tangents* | Circle touching line, |  |
|  | 16-20 | 5 | ***Premodel Examination*** |  |  |
|  | 23-27 | 4 | ***Premodel Examination*** |  |  |
|  | 30-31 | 2 | ***Revision*** |  |  |
| February | 1-3 | 3 | ***Revision*** |  |  |
|  | 6-10 | 5 | ***Revision*** |  |  |
|  | 13-17 | 4 | ***S.S.L.C Model Examination*** |  |  |
|  | 20-24 | 5 | ***S.S.L.C Model Examination*** |  |  |
|  | 27-28 | 2 | ***Study holidays*** |  |  |
| March | 1-3 | 3 | ***Study holidays*** |  |  |
|  | 6-10 | 5 | ***S.S.L.C Board Examination*** |  |  |
|  | 13-17 | 5 | ***S.S.L.C Board Examination*** |  |  |