

 **MATHEMATICS DEPARTMENT**

 **SYLLABUS FOR ENTRANCE EXAMINATION**

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| S/N | TOPICS | SUB-TOPICS |
|  | **NUMBERS AND NUMERATION:** | * *Figures And Words*
 |
|  |  | * *Roman Numerals*
 |
|  |  | * *Abacus Counting*
 |
|  |  | * *Place Values*
 |
|  |  | * *Factors*
 |
|  |  | * *Prime Factors*
 |
|  |  | * *Even Numbers*
 |
|  |  | * *Odd Numbers*
 |
|  |  | * *Composite Numbers*
 |
|  |  | * *Factors And Multiples*
 |
|  |  | * *Common Factors*
 |
|  |  | * *Common Multiples*
 |
|  |  | * *Least Common Multiple (L.C.M)*
 |
|  |  | * *Highest Common Factor (H.C.F)*
 |
|  |  | * *Ratio And Proportion*
 |
|  |  | * *Decimal And Percentage*
 |
|  |  | * *Fractions*
 |
|  |  |  |
| 2. | **BASIC OPERATION:** | * *Addition And Subtraction Of Number*
 |
|  |  | * *Multiplication And Division Of Numbers*
 |
|  |  | * *Addition And Subtraction Of Decimal Numbers*
 |
|  |  | * *Multiplication And Division Of Decimal Numbers*
 |
|  |  | * *Addition And Subtraction Of Fractions*
 |
|  |  | * *Multiplication And Division Of Fraction*
 |
|  |  | * *Square And Square Root*
 |
|  |  | * *Order Of Operation*
 |
|  |  |  |
| 3. | **MEASUREMENT:** | * *Money*
 |
|  |  | * *Length*
 |
|  |  | * *Volume*
 |
|  |  | * *Capacity/Weight*
 |
|  |  | * *Time*
 |
|  |  | * *Speed*
 |
|  |  | * *Area*
 |
|  |  |  |
| 4. | **STATISTICS:** | * *Pictogram And Bar & Pie Chart*
 |
|  |  | * *Data Collection And Representation*
 |
|  |  |  |
| 5. | **CONVERSION:** | * *Fraction To Decimals*
 |
|  |  | * *Decimal To Fraction*
 |
|  |  | * *Fraction To Percentage*
 |
|  |  | * *Percentage To Fraction*
 |
|  |  | * *Decimal To Percentage*
 |
|  |  | * *Percentage To Decimal*
 |
| 6. | Quantitative Reasoning | * Quantitative Reasoning
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