

**MATHEMATICS DEPARTMENT**

**SYLLABUS FOR ENTRANCE EXAMINATION**

|  |  |  |
| --- | --- | --- |
| 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 |