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| **VIDYA COLLEGE OF ENGINEERING** | | | | | | | |
| **SYLLABUS – QUANTITATIVE APTITUDE & REASONING** | | | | | | | |
| **B.TECH. (ALL BRANCHES) THIRD YEAR SIXTH SEMESTER** | | | | | | | |
|  | |  |  | | |  |  |
| **FACULTY NAME: MR. ANKIT AGGARWAL** | | | | | | | |
|  | | | | | | | |
| **UNIT NO.** | **UNITS** | | | **LECTURE NO.** | **TOPICS** | | **HOURS** |
|  |  | | |  |  | |  |
| **UNIT-1** | **Interest** | | | Lecture-1 | Simple Interest | | 2 HOURS |
| Lecture-2 | Compound Interest | |
|  |  | | |  |  | |  |
| **UNIT-2** | **Permutation & Probability** | | | Lecture-3 | Permutation & Combination | | 2 HOURS |
| Lecture-4 | Probability | |
|  |  | | |  |  | |  |
| **UNIT-3** | **Time,**  **Speed &**  **Distance** | | | Lecture-5 | Basic Problems | | 4 HOURS |
| Lecture-6 | Application of TSD | |
| Lecture-7 | Problem on Trains | |
| Lecture-8 | Boat & Stream | |
|  |  | | |  |  | |  |
| **UNIT-4** | **Time & Work** | | | Lecture-9 | Chain Rule | | 4 HOURS |
| Lecture-10 | Time & work | |
| Lecture-11 | Work & wages | |
| Lecture-12 | Pipes & Cisterns | |
|  |  | | |  |  | |  |
| **UNIT-5** | **Ages &**  **Partnership** | | | Lecture-13 | Problem on ages | | 2 HOURS |
| Lecture-14 | Partnership | |
|  |  | | |  |  | |  |
| **UNIT-6** | **Sitting**  **Arrangement** | | | Lecture-15 | Linear Arrangement | | 2 HOURS |
| Lecture-16 | Circular & Mixed Arrangement | |
|  |  | | |  |  | |  |
| **UNIT-7** | **Direction**  **Sense** | | | Lecture-17 | Final Direction based | | 2 HOURS |
| Lecture-18 | Displacement based | |
|  |  | | |  |  | |  |
| **UNIT-8** | **Arithmetic**  **Reasoning** | | | Lecture-19 | Arithmetic Reasoning-1 | | 2 HOURS |
| Lecture-20 | Arithmetic Reasoning-2 | |
|  |  | | |  |  | |  |
| **UNIT-9** | **Puzzles** | | | Lecture-21 | Puzzles-1 | | 2 HOURS |
| Lecture-22 | Puzzles-2 | |