

**PNS SCHOOL OF ENGG. & TECH.**  
**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING**  
**LESSON PLAN**

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| <b>BRANCH</b><br>MECHANICAL<br>ELECTRICAL<br>CIVIL, ETC &<br>COMP. SC | <b>SEMESTER</b><br>1ST                                       | <b>NAME OF THE TEACHING FACULTY</b><br>ER. ADITYA NARAYAN JENA                   |
| <b>SUBJECT :</b><br>ENGG. MATH-I                                      | <b>NO. OF DAYS /<br/>PER WEEK<br/>CLASS ALLOTTED</b><br>: 01 | <b>SEMESTER FROM DATE 25.10.2022 TO 31.01.2023</b><br><b>NO. OF WEEKS : 15</b>   |
| <b>WEEK</b>   | <b>CLASSDAY</b>  | <b>THEORY TOPICS</b>   |
| 1st   | 1st  | TRIGONOMETRY: Introduction to Trigonometry and Trigonometrical Ratios            |
| 2nd   | 1st  | ASTC Rule and its application  |
| 3rd   | 1st  | Problem discussion   |
| 4th   | 1st  | Trigonometrical Ratios of Compound angles and their Basic Formulae               |
| 5th   | 1st  | Problems discussion  |
| 6th   | 1st  | Problems discussion  |
| 7th   | 1st  | Trigonometrical Ratios of Multiple angles $2A, 3A$ and their Basic formulae      |
| 8th   | 1st  | Problem discussion   |
| 9th   | 1st  | Problems discussion  |
| 10th  | 1st  | Trigonometrical Ratios of Submultiple angles i.e. $A/2$ and their Basic Formulae |
| 11th  | 1st  | Problems discussion  |
| 12th  | 1st  | Inverse Trigonometric Function and their Formulae                                |
| 13th  | 1st  | Properties of Inverse Trigonometric Function                                     |
| 14th  | 1st  | Problems discussion  |
| 15th  | 1st  | Problems discussion  |

SIGNATURE OF H.O.D.

Aditya Narayan Jena  
SIGNATURE OF LECTURER