

PNS SCHOOL OF ENGINEERING AND TECHNOLOGY

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| Branch: Electrical Engg. | Semester: 3rd | Name of the Demonstrator: Er. Amiya Prasad Dash & Er. Sandeep Mallick |
| Subject: ME lab | No of Classes Alloted in a Week: 2 | Duration of Semester: 01.08.2023 - 30.11.2023 |
| Week | Class Day | Theory / practical Topic |
| 1st | 1 | Determination of M.A.,V.R and efficiency of Screw Jack(Cont.) |
| | 2 | Determination of M.A.,V.R and efficiency of Screw Jack(Cont.) |
| 2nd | 1 | Determination of young's Modulus by searle's Apparatus (Cont.) |
| | 2 | Determination of young's Modulus by searle's Apparatus (Cont.) |
| 3rd | 1 | Determination of young's Modulus by searle's Apparatus (Cont.) |
| | 2 | Determination of M.A., V.R and efficiency of wheel train (Cont.) |
| 4th | 1 | Determination of M.A., V.R and efficiency of wheel train (Cont.) |
| | 2 | Study of Universal Testing Machine and determination of tensile stress and Youngs module of M.S specification (Cont.) |
| 5th | 1 | Study of Universal Testing Machine and determination of tensile stress and Youngs module of M.S specification (Cont.) |
| | 2 | Determination of Coefficient Friction of Bearing |
| 6th | 1 | Determination of Coefficient Friction of Bearing |
| | 2 | Determination of bending stress in beam using strain gauge |
| 7th | 1 | Determination of bending stress in beam using strain gauge |
| | 2 | Study of pressure measuring devices such as (a) Piezo - meter (b) Simple manometer |
| 8th | 1 | Study of pressure measuring devices such as (a) Piezo - meter (b) Simple manometer |
| | 2 | Study of Venturimeter |
| 9th | 1 | Study of Venturimeter |
| | 2 | Model study of Centrifugal pumps, Francis ,Turbine, Kaplan trubine and Pelton Wheel. (Cont.) |
| 10th | 1 | Model study of Centrifugal pumps, Francis ,Turbine, Kaplan trubine and Pelton Wheel. (Cont.) |
| | 2 | Model study of Centrifugal pumps, Francis ,Turbine, Kaplan trubine and Pelton Wheel. (Cont.) |
| 11th | 1 | Model study of Centrifugal pumps, Francis ,Turbine, Kaplan trubine and Pelton Wheel. (Cont.) |
| | 2 | Study of Cochran Boiler |
| 12th | 1 | Study and demonstration of Stream Engine (Cont.) |
| | 2 | Study and demonstration of Stream Engine (Cont.) |
| 13th | 1 | Study and demonstration of Diesel Engine |
| | 2 | Study and demonstration of Diesel Engine |
| 14th | 1 | Study and demonstration of Petrol Engine (Cont.) |
| | 2 | Study and demonstration of Petrol Engine (Cont.) |

Signature of the
Demonstrator

Signature of the
H.O.D.