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| **Discipline: Mechanical**  **Engineering** | **Semester : 4thSemester-2022-**  **23** | **Name of the Teaching Faculty: Miss.Shradha Suman Adabar** |
| **Subject: TOM &**  **Measurem-**  **ent Lab** | **No. of Days/week Class Allotted: 60** | **Semester from date: 14/02 /2023 to date:27 /05 /2023 No of weeks: 18** |
| **week** | **Class Day** | **Practical Topics** |
| 1st | 1st | INTRODUCTION |
| 2nd | Determination of centrifugal force of a governor (Hart Nell) |
| 2nd | 1st | Determination of centrifugal force of a governor (Hart Nell) |
| 2nd | Determination of centrifugal force of a governor ( Watt/Porter). |
| 3rd | 1st | Determination of centrifugal force of a governor (Watt/Porter). |
| 2nd | Study of static balancing apparatus. |
| 4th | 1st | Demonstration of static balancing apparatus. |
| 2nd | Study of journal bearing apparatus |
| 5th | 1st | Demonstration of journal bearing apparatus |
| 2nd | Study of different types of Cam |
| 6th | 1st | Study of different types of followers |
| 2nd | Study of epicyclic gear train. |
| 7th | 1st | Demonstration of epicyclic gear train. |
| 2nd | Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Calliper. |
| 8th | 1st | Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Calliper. |
| 2nd | Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Calliper. |
| 9th | 1st | Determination of diameter of a cylindrical component to an accuracy of 0.01mm using micrometer |
| 2nd | Determination of diameter of a cylindrical component to an accuracy of 0.01mm using micrometer |
| 10th | 1st | Determination of diameter of a cylindrical component to an accuracy of 0.01mm using micrometer |
| 2nd | Determine the heights of gauge blocks or parallel bars to accuracy of |

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|  |  | 0.02mm using Vernier height gauge. |
| 11th | 1st | Determine the heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge. |
| 2nd | Determine the heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge. |
| 12th | 1st | Determine the heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge. |
| 2nd | Determine the thickness of ground MS plates using slip gauges. |
| 13th | 1st | Determine the thickness of ground MS plates using slip gauges. |
| 2nd | Determine the thickness of ground MS plates using slip gauges. |
| 14th | 1st | Determination of angel of Machined surfaces of components using sin bar with slip gauges. |
| 2nd | Determination of angel of Machined surfaces of components using sin bar with slip gauges. |
| 15th | 1st | Determination of angel of Machined surfaces of components using sin bar with slip gauges. |
| 2nd | Determination of angel of Machined surfaces of components using sin bar with slip gauges. |
| 16th | 1st | Revision 1 |
| 2nd | Revision 2 |
| 17th | 1st | Revision 3 |
| 2nd | Revision 4 |
| 18th | 1st | Revision 5 |
| 2nd | Revision 6 |