


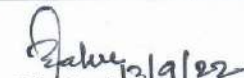
SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

| Discipline: | Semester: | Name of the Teaching Faculty: |
|-------------|-------------------------------------|--|
| Subject: | No of Days/per week class allotted: | Semester from Date: to Date: No of Weeks: |
| Week | Class Day/ Date | Theory/Practical Topics |
| 6th | 1st 17/10 | Difference between different turbines |
| | 2nd 19/10 | End Chapter Test |
| | 3rd 20/10 | Centrifugal Pump - construction, Intro |
| | 4th 22/10 | working Principle + diagram |
| 7th | 1st 26/10 | work done and different efficiency |
| | 2nd 22/10 | Problem solving of Centrifugal Pump |
| | 3rd 29/10 | Problem solving centrifugal Pump |
| | 4th | |
| 8th | 1st 31/10 | Reciprocating Pump - Intro + construction |
| | 2nd 2/11 | working of Single Acting Reciprocating Pump |
| | 3rd 3/11 | Double acting Reciprocating Pump - Intro |
| | 4th 5/11 | working and construction of Reciprocating Pump |
| 9th | 1st 7/11 | Slip and C.O.D. of Reciprocating Pump |
| | 2nd 9/11 | Power Requirement for both pumps. |
| | 3rd 10/11 | Problem solving on Reciprocating Pump |
| | 4th 12/11 | Problem solving on Reciprocating Pump |
| 10th | 1st 14/11 | Chapter test |
| | 2nd 16/11 | Pneumatic Control System - Element. |
| | 3rd 17/11 | filter, Regulator, Lubricant. |
| | 4th 19/11 | Pressure Control valve, Throttle valve. |


 Sign of Faculty


 HOD


 Principal

SYNERGY POLYTECHNIC, BBSR

| Lesson Plan | | Semester: | | Name of the Teaching Faculty: | |
|-------------|------|-------------------------------------|-------|---|-------------------|
| Discipline: | | | | | |
| Mechanical | | 3rd. | | Syed Imran Hasan. | |
| Subject: | | No of Days/per week class allotted: | 5 | Semester from Date: 15.9.22 | to Date: 22/12/22 |
| Week | | Class Day | | No of Weeks: | 15 |
| | | | | Theory/Practical Topics | |
| 1st | 11th | 1st | 21/11 | Welding alloying Elements, Example. | |
| | | 2nd | 22/11 | Bearing Material - types, composition | |
| | | 3rd | 23/11 | Copper based, Tin based, lead based | |
| | | 4th | 24/11 | Spring Materials, types, composition | |
| | | 5th | 25/11 | Iron based, copper based, spring material | |
| 2nd | 12th | 1st | 28/11 | class - Test on chapter | |
| | | 2nd | 29/11 | Polymers - Properties and applications | |
| | | 3rd | 30/11 | Thermosetting, Thermoplastic polymers. | |
| | | 4th | 1/12 | Elastomers - Definition, Application. | |
| | | 5th | 2/12 | Composites → types, composition | |
| 3rd | 13th | 1st | 5/12 | Properties of FRP, Particulate | |
| | | 2nd | 6/12 | Method of making composites. | |
| | | 3rd | 7/12 | Ceramics - types, uses. | |
| | | 4th | 8/12 | class test. | |
| | | 5th | 9/12 | Corrosion - causes and prevention | |
| 4th | 14th | 1st | 12/12 | Surface wear - Causes and Prevention | |
| | | 2nd | 13/12 | Painting - Purpose, methods. | |
| | | 3rd | 14/12 | Industrial Painting types. | |
| | | 4th | 15/12 | - Chapter Test | |
| | | 5th | 16/12 | Revision of Important Chapter | |
| 5th | 15th | 1st | 19/12 | Q and Ans discussion | |
| | | 2nd | 20/12 | Doubt classes | |
| | | 3rd | 21/12 | Short Q and Ans discussion | |
| | | 4th | 22/12 | Long Q and Ans discussion | |
| | | 5th | | | |

Signature
13/9/22
Sign of Faculty

Signature
13/9/22
HOD

Signature
13/9/22
Principal


SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

| Discipline: MECHANICAL. | Semester: 5th | Name of the Teaching Faculty: Syed Imran Hosen. |
|---|--|---|
| Subject: Hydraulic Machine and Industrial Fluid Power. | No of Days/per week class allotted: 4 | Semester from Date: 15/9/2022 to Date: 22/12/2022 No of Weeks: 15 |
| Week | Class Day/ Date | Theory/Practical Topics |
| 1st | 1st 15/9/2022 | Introduction to Hydraulic machines. |
| | 2nd 17/9/2022. | Hydraulic Turbines - Definition Types. |
| | 3rd | |
| | 4th | |
| 2nd | 1st 19/9/2022 | Classification of Hydraulic Turbines in detail. |
| | 2nd 21/9/2022 | Impulse turbine - Construction |
| | 3rd 22/9/2022 | Work and Velocity diagram of Impulse Turbine. |
| | 4th 24/9/2022. | Francis turbine - Definition, diagram |
| 3rd | 1st 26/9/2022 | velocity diagram of moving blades |
| | 2nd 28/9/2022 | Derivation of Efficiency - Francis Turbines |
| | 3rd 29/9/2022 | Problem solving / Francis Turbine. |
| | 4th 1/10/2022. | Kaplan Turbine - Intro + diagram. |
| 4th | 1st | |
| | 2nd | |
| | 3rd | |
| | 4th | |
| 5th | 1st 10/10 | Kaplan turbine - velocity diagram + work done. |
| | 2nd 12/10 | Derivation of Formulae + Problem Solving. |
| | 3rd 13/10 | Problem solving velocity diagram. |
| | 4th | |

Pooya Vacation
3/10 - 8/10/22


13/9/22
Sign of Faculty


13/9/22
HOD


13/9/22
Principal