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| **Discipline :** MECHAN ENGG. | **Semester :** 4TH | **Name of The Teaching Faculty :** Er.suresh kumar chadhury |
| **Subject:** AEHV | **No Of Days/Week Class Allotted** 04 | Semester From : 16.01.2024 To 26.04.2024 |
| | | No. Of Weeks : 15 |

| WEEKS | CLASS DAY | THEORY |
|---|---|---|
| 16.01.2024 TO 20.01.2024 | 1st | Introduction to transmission system |
| | 2nd | Definition Automobiles |
| | 3rd | need and classification of Automobiles |
| | 4th | Layout of automobile chassis with major components (Line diagram |
| 22.01.2024 TO 27.01.2024 | 1st | NETAJI JAYANTI |
| | 2nd | Clutch System |
| | 3rd | Need, Types (Single & Multiple) |
| | 4th | REPUBLIC DAY |
| 29.01.2024 TO 03.02.2024 | 1st | Working principle with sketch |
| | 2nd | Gear Box, Purpose of gear box |
| | 3rd | Construction and working of a 4 speed gear box |
| | 4th | Concept of automatic gear changing mechanisms |
| 05.02.2024 TO 10.02.2024 | 1st | Propeller shaft |
| | 2nd | Constructional features |
| | 3rd | Differential: Need, Types and Working principle |
| | 4th | Introduction to braking system |
| 12.02.2024 TO 17.02.2024 | 1st | Braking systems in automobiles: Need and types |
| | 2nd | VASANT PANCHAMI |
| | 3rd | Mechanical Brake |
| | 4th | Hydraulic Brake |
| 19.02.2024 TO 24.02.2024 | 1st | Air Brake and Air assisted Hydraulic Brake |
| | 2nd | Vacuum Brake |
| | 3rd | Introduction to ignition & suspension system |
| | 4th | Describe the Battery ignition and Magnet ignition system |
| 26.02.2024 TO 02.03.2024 | 1st | Spark plugs and its Purpose |
| | 2nd | construction and specifications |
| | 3rd | State the common ignition troubles and its remedies |
| | 4th | Description of the conventional suspension system for Rear and Front axle |
| 04.03.2024 TO 09.03.2024 | 1st | PANCHAYAT RAJ DIVAS |
| | 2nd | Description of independent suspension system used in cars |
| | 3rd | coil spring and tension bars |
| | 4th | MAHA SIVA RATRI |
| 11.03.2024 TO 16.03.2024 | 1st | Constructional features and working of a telescopic shock absorber |
| | 2nd | Introduction to cooling and lubrication |
| | 3rd | Introduction to engine cooling |
| | 4th | Need and classification |
| 18.03.2024 TO 23.03.2024 | 1st | Describe defects of cooling |
| | 2nd | their remedial measures |
| | 3rd | Describe the Function of lubrication |
| | 4th | Describe the lubrication System of I.C. engine |

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| 25.03.2024 TO 30.03.2024 | 1st | HOLI |
| | 2nd | Describe Air fuel ratio |
| | 3rd | Describe Carburetion process for Petrol Engine |
| | 4th | GOOD FRIDAY |
| 01.04.2024 TO 06.04.2024 | 1st | Describe Multipoint fuel injection system for Petrol Engine |
| | 2nd | Describe the working principle of fuel injection system for multi cylinder Engine |
| | 3rd | Filter for Diesel engine |
| | 4th | Describe the working principle of Fuel feed pump and Fuel Injector for Diesel engine |
| 08.04.2024 TO 13.04.2024 | 1st | Introduction, Social and Environmental importance of Hybrid and Electric Vehicles |
| | 2nd | Description of Electric Vehicles, operational advantages, |
| | 3rd | ID UL FITRE |
| | 4th | present performance and applications of Electric Vehicles |
| 15.04.2024 TO 20.04.2024 | 1st | Battery for Electric Vehicles |
| | 2nd | RAMA NAVAMI |
| | 3rd | Battery types and fuel cells |
| | 4th | Hybrid vehicles, Types of Hybrid and Electric Vehicles |
| 22.04.2024 TO 27.04.2024 | 1st | Parallel, Series, Parallel and Series configurations and Drive train |
| | 2nd | Solar powered vehicles |
| | 3rd | Revision of chapter |
| | 4th | Discussion previous year question |
| | | CLOSING OF ATTENDANCE |