

| Discipline : Automobile | Semester:6th | Name of the Teaching Faculty :KUMAR GYANADEEP |
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| Subject : Automotive system | No. of Days / per week class allotted : | Semester From date : 9.12.2019 To Date :31.03.2019 No. of Weesks : 13 |
| Week | Class Day | Theory / Practical Topics |
| | 1st | front axle assembly |
| 2nd december | 2nd | front axle and stub axle |
| | 3rd | front wheel assembly |
| | 4th | Functions of front axle |
| | 1st | steering, column,mechanism |
| 3rd december | 2nd | power streeing |
| | 3rd | caster, camber, king pin |
| | 4th | inclination, under steer, over steer,combined angle |
| | 1st | Study of toe in, toe out |
| 4th decenber | 2nd | Study of streeing angle |
| | 3rd | Study of wheel alignment |
| | 4th | Study of factors affecting steering geometry |
| | 1st | Principle & objective of suspension |
| 1st january | 2nd | Details of leaf spring |
| | 3rd | Details of coil spring |
| | 4th | Independent & rigid suspension system |
| | 1st | stabilizer and shock absorber |
| 2nd january | 2nd | Introduction of brakes |
| | 3rd | Operations and requirements Brakes |
| | 4th | Drum brake system. |
| | 1st | Disc brake system |
| 3rd january | 2nd | Hydraulic brake and its components |
| | 3rd | Tandem master cylinder. |
| | 4th | Master cylinder. |
| | 1st | Types of brake fluid used in vehicle. |
| 4th january | 2nd | Servo brake, air brake system. |
| | 3rd | Hand brake system. |
| | 4th | Adjustment and blleding of brakes |
| | 1st | Common brake problem |
| 1st feb | 2nd | Antilock braking system-ABS |
| | 3rd | Study of various types of wheels |
| | 4th | wheel dimesion |
| | 1st | Study of various types of tyre |
| 2nd feb | 2nd | Study of tubeless tyre |
| | 3rd | Study of tubed tyres |
| | 4th | Manufacturing process of tyres |

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| | 1st | Specification of tyres |
| 3rd feb | 2nd | precaution for tyre |
| | 3rd | Introduction to chasis |
| | 4th | Layout of chasis |
| | | |
| | 1st | components of chasis |
| 4th feb | 2nd | chasis frame |
| | 3rd | chasis layout |
| | 4th | classificatoin & construction |
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| 1st march | 1st | Construction and working of dump truck |
| | 2nd | Contd. |
| | 3rd | Construction and working of grader |
| | 4th | Contd. |
| | | |
| 2nd march | 1st | Construction and working of road roller |
| | 2nd | contd. |
| | 3rd | Construction and working of dozer |
| | 4th | Contd. |
| | | |
| 3rd march | 1st | Construction and working loader |
| | 2nd | contd. |
| | 3rd | Construction and working crane. |
| | 4th | Contd. |
| | | |
| 4th march | 1st | Construction and working scraper |
| | 2nd | Construction and working tanker |
| | 3rd | Construction and working trailer |
| | 4th | Q & A discussion |