

School of Engineering & Applied Sciences

Diploma Automobile Semester VI Major Assignment

Important Instructions to Student:

1. Last date for Assignment Submission – **30-May-2020**
2. This assignment carries major **weightage of 50 Marks**. Kindly prepare it very carefully and in a very detailed manner. For any help in this regard, kindly contact your faculties.
3. Front Page of Assignment should clearly include details like:
 - a. Your Name
 - b. UID Number
 - c. Subject
 - d. Class
 - e. Semester

In the event of no such information, we may not be able to assign marks for your assignment, for which responsibility lies with students.
4. You can write and submit assignment through any of the following options:
 - a. Handwritten Assignment – Prepare softcopy of your assignment through suitable apps and send the assignment as one PDF to your respective faculty as mentioned above.
 - b. Typed Assignment – Prepare Assignment with following font setting and submit the assignment to your respective faculty as mentioned above.
 - i. Font Type – Times New Roman or Arial
 - ii. Headings – Font Size 14
 - iii. Text (Except Heading) – 12
 - iv. Normal Margin and Line Spacing maximum 1.15
5. After this lockdown ends, you all have to submit the physical assignment copies to your respective Faculties. So, keep the assignment carefully for submission.
6. While submitting assignment through email, kindly use subject line as Name of the Programe_Name of Course/Branch_Semester_Name o the the Subject. For Example B.Tech._Mechanical_IV_Theory of Machines

AUTO REPAIR & MAINTENANCE-II Prof. Kamlesh L Patel		Mode of Submission : https://forms.gle/SehR8qrq2gETE2mT6 (Link will be open from 21st May, 2020 up to 30th May, 2020, Submit it within time limit, after that no submission will be accepted)
1.	Explain the different term in automobile repair. i.e., toe in, toe out, camber, caster, wheel balancing in your word	
2.	How do you maintain your vehicle? Describe in your word.	
3.	Describe the 10 maintenance parts and troubleshooting in your vehicle.	
4.	Describe repair and troubleshooting of lead acid battery.	
5.	Describe the auto-tool used in Garage or workshop.	
TRANSPORT MANAGEMENT AND AUTOMOTIVE Prof. Kamlesh L Patel		Mode of Submission : patelkamleshkumar81@gmail.com (Link will be open from 21st May, 2020 up to 30th May, 2020, Submit it within time limit, after that no submission will be accepted)
1.	Explain the importance of transportation in your word.	
2.	Explain different modes of transportation and also types of transportation .	
3.	Why management required for transportation describe in your word. i.e. railways, air ways, vice-versa.	
4.	Explain Acts & definitions, RTO and other regulations for different transport vehicle in detail.	
5.	Explain layout of garages/workshop and explain different department of workshop in detail.	
VEHICLE AIR CONDITIONING Prof. Kamlesh Patel		Mode of Submission : patelkamleshkumar81@gmail.com (Link will be open from 21st May, 2020 up to 30th May, 2020, Submit it within time limit, after that no submission will be accepted)
1.	Explain the following terms: A. Servicing heating system B. Car heater system, trouble diagnosis chart C. Causes of Air-conditioner failure D. Trouble shooting the Air-conditioner heater system	
2.	Explain the following terms: A. Warm air systems-hot water systems steam heating systems B. Panel and central heating systems-heat pump circuit C. Applications- comfort air conditioning D. Trouble shooting the Air-conditioner heater system	
3.	Explain the Classification, layouts, central / unitary air conditioning systems.	
4.	Explain the Cooling and heating load calculation.	
5.	Explain the following terms: A. Classification, Properties, selection criteria of refrigerant. B. Commonly used refrigerants, alternative refrigerants C. Eco-friendly refrigerants	

	D. Refrigerants used in automobile air conditioning
MOTOR VEHICLE ACCIDENT AND LOSS ASSESSMENT Prof.Kamlesh Patel	Mode of Submission : patelkamleshkumar81@gmail.com (Link will be open from 21st May, 2020 up to 30th May, 2020, Submit it within time limit, after that no submission will be accepted)
1.	Explain following term :- A. Purpose and need of Insurance B. How insurance work. C. Insurance legislation and IRDA act.
2.	Explain following term :- A. Third party insurance B. Comprehensive insurance C. Cost of Insurance. D. Policy term and condition E. Insurance legislation and IRDA act .Explain Auto Financing.
3.	Explain following term :- A. Claim Intimation B. Role of surveyor and loss adjustor. C. Impact analysis and reason for accident
4.	Explain following term :- A. Process of survey Conducting B. Various types of loss assessment
5.	Explain following term :- A. Fraud claims B. Connected to Packet Policy- MACT

NOTE: After completing your assignments, contact your respective faculty member and submit the assignment for assessment.

