

# JS UNIVERSITY

## **ASSIGNMENT FOR DIPLOMA IN Automobile 6TH SEM.**

The Assignment will consist of two parts, A and B. Part A will have 5 short answer questions (40-60 words) of 4 marks each. Part B will have 4 long answer questions of 5 marks each.

**All questions are compulsory.**

These Assignments should be completed and submitted in written form by the student to his/her respective Faculty/ Examiners. Assignment Submission Dates are:

**June-19**

### **List Of Suggested Questions**

The list of suggested questions is for students to practice. Although optional, we recommend that

students solve these questions, as they will help them in preparing for exams as well as in clearing

the important concepts of the subject.

### **List of Practical and suggested practical's**

The list of practical's should be done by the students in their Lab Sessions. These are the basic practical's, which each student should be able to do himself independently. While the list of suggested practicals are optional, but it is recommended that students should perform those practical

so as to have a thorough knowledge of the subject

### **Education Delivery Schedule (EDS)**

As per University Semester scheme, the minimum contact hours of each paper has been Divided into two hours theory and practical class.

The faculty will maintain this attendance paper wise for his/her batch.

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<b>SUBJECT CODE</b>	<b>SUBJECT NAME</b>
<b>DME 1</b>	<b>Environmental Education &amp; Disaster Management</b>
<b>DME 2</b>	<b>Industrial engg.&amp; Safety</b>
<b>DME3</b>	<b>Metrology &amp; Measuring Instruments</b>
<b>DME 4</b>	<b>Automobile Technology</b>
<b>DME6</b>	<b>Automobile Maintenance servicing &amp; Repair</b>

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## Cover page of Assignment

\_ID NUMBER .....

NAME .....

COURSE DIPLOMA.....

STREAM Automobile.....

SEM 6 TH .....

SUBJECT CODE .....

SUBJECT NAME .....

**Assignments will be completed by the Student in his/her own handwriting.**

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## **Environmental Education & Disaster Management**

### **PART-A**

- 1.** Distinguish between environmental stress, hazard and disaster giving examples.
- 2.** Describe Ecosystem approach to mitigate environmental stress. In what way it is different from the perception approach?
- 3.** How does human perception changes with environmental degradation? Discuss.
- 4.** How does landscape approach aid in reducing environmental stress? Give examples.
- 5.** What are the pre-disaster measures are taken to prevent loss of life due to this hazard?

### **PART-B**

- 1.** Describe the areas of flood hazard in India. What causes floods?
- 2.** Describe at least three flood control measures to reduce the impact of flood disaster.

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## Industrial engg.& Safety

### PART-A

1. Define 'enquiry letter'. Cite some examples of enquiry letters.
- 2 Explain Auto ignition.
3. Explain first aid for burns.
4. Explain Fire fighting systems.
5. Explain the steps involved in fire testing..

### PART-B

1. Write an essay on the tips for attending a interview.
2. With neat diagrams, explain the GVF of open channel.

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## **Metrology & Measuring Instruments**

### **PART-A**

1. Describe the working of radius gauge with suitable diagram.
2. Explain any two methods of an ar measurement.
3. What are slip gauges ? Discuss their uses and advantages.
4. Explain the working of Try square and Straight edge with the help of suitable diagrams.
5. What are limit gauges ? Explain their uses.

### **PART-B**

1. 1 Explain any two different methods of displacement measurement.
2. What are transducers ? Explain the working of capacitive transducer.

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## **Automobile Technology**

### **PART-A**

1. Describe the working of Ackerman's steering system used in automobile.
2. Explain the working principle of a constant mesh gear box with the help of a neat sketch.
3. What is need of carburetor an automobile ? Explain its working principle.
4. Why ignition system is required in automobile ? Explain any one of them in detail.
5. With the help of neat sketch differentiate and explain front wheel drive and rear wheel drive.

### **PART-B**

- Q1** Explain the working principle of differential gear box with the help of neat sketch.
- Q2.** Why clutch is required in an automobile ? Classify different types of clutch and explain briefly.

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## Automobile Maintenance servicing & Repair

### PART-A

- Q1.Explain break down maintenance and preventive management.
- Q2.Explain classification of tool and equipment for automobile workshop.
- Q3.Explain cylinder boaring.
- Q4.Explain cleaning of cooling system.
- Q5.Explain causes of engine overheating.

### PART-B

- Q1.Explain defferent types of lifting jack.
- Q2.Explain workshop layout.