

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (AE) (Sem.-7th & 8th)**VEHICLE MAINTENANCE AND INDUSTRIAL SAFETY**

Subject Code : AE-406

Paper ID : [A0726]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

SECTION-A

1. Write briefly :

- (a) What is the need of industrial safety?
- (b) What is the scope of planning for safety?
- (c) What is preventive maintenance?
- (d) What do you understand by check list?
- (e) What is meant by dimensional inspection?
- (f) What is wheel balancing?
- (g) What are antifreeze additives?
- (h) What do you understand by minor repairs?
- (i) How engine of the vehicle can be turned up?
- (j) What is the function of water pump in a cooling system?

SECTION-B

2. Discuss the relationship of safety with plant design.
3. How safety of the industry can be enhanced by participation of employees ? Discuss.
4. What do you understand by inspection schedule ? Explain.
5. How computerized wheel alignment is done ? Explain.
6. Discuss the safety precautions in maintenance.

SECTION-C

7. List out the components of the clutch which requires servicing and maintenance. Explain the servicing and maintenance procedure for clutch of an automobile.
8. Explain the maintenance and servicing of fuel supply system of an automobile.
9. Write note on fault diagnosis and maintenance of modern electronic controls.