



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)
Coimbatore – 35



Department of Automobile Engineering

19AUB3042 - VMRC

UNIT – 1 MAINTENANCE OF RECORDS AND SCHEDULES TWO MARKS

1. Define Maintenance?

Maintenance is the routine repairing work, required to keep the vehicle in good condition so that it can be utilized for designed capacity and efficiency.

2. Define Repair?

Repair is the restoration of the vehicle to a condition substantially equal to its original condition by changing parts (or) by reconditioning it.

3. What are the main objectives of maintenance system?

- * To keep the vehicle available for protective work for maximum period.
- * To extract optimum life for the vehicle.
- * To get maximum utilization of vehicle at minimum cost.

4. List out the types of maintenance system?

- Scheduled maintenance (preventive maintenance)
- Un Scheduled maintenance (Breakdown maintenance)

5. Define Scheduled maintenance system?

In this system, servicing of the vehicle is done at pre determined time interval, in order to avoid breakdown of the vehicle.

6. Define Un Scheduled maintenance?

In this system, servicing or repairing work is done only after the vehicle breakdown.

7. Mention the Advantages of scheduled maintenance?

- It reduces cost of operation
- It renders work scheduling easy.
- It reduces starting problem.
- Control of store inventory easy.

8. Write the points of Maintenance Checklist?

1. Check the replacement of engine oil period
2. Check the oil level in the fuel injection pump
3. Check the steering gear box.
4. Check the condition of the rubber sleeve on cylinder head cover.
5. Check the belt tension of the cooling fan.

9. Write a short note on Periodic maintenance check sheet?

The periodic maintenance check sheet is used to record the inspection status made during the maintenance check operation. It contains various details such as the dealer name, place, date of sale, manufacturers name, mileage, frame number, chassis number etc. the mileage and service type are indicated in the various cells of the check sheet. The check sheet also contains the check item name, status and remarks.

10. What is meant by ROAD TEST REPORT?

1. The road test inspector or the machine makes the road test report after the completion of the maintenance operation.
2. This report contains the vehicle reg number, chassis number, job no, date of test etc.
3. The parameters to be checked include the following:
 - Front side and rear side abnormal noise.
 - Steering and brake caliper noise.
 - Eluting, misfiring, sudden stoppage of vehicle.
 - Brake condition.
 - Wheel and bearing check.
 - Pick up of the vehicle.
 - Mileage of the vehicle etc.

The road test report gives a fare idea of the condition of the vehicle before and after the maintenance operation.

11. What is meant by TRIP SHEET?

The trip sheet gives the entire details of the vehicle before and after a trip. The starting km and ending km, time of start and closing of the journey time and the charges per km and also the overall cost of trip is described in the trip sheet.

12. What is meant by LOGBOOK?

The logbook of a vehicle gives the details of the vehicle, which will be useful not only for the owner of the vehicle but also to the mechanic who might take the job of vehicle maintenance latter.

The logbook contains the following details:

- Distance covered
- Fuel consumption
- Average fuel consumption
- Best and worst mileage

13. What is meant by MOTOR VEHICLE ACT?

An Act to consolidate and amend the law relating to motor vehicles. This has been amended several times to keep it up to date. The need was, however, felt that this Act should, now *inter alia*, take into account also changes in the road transport technology, pattern of passenger and freight movements, developments, of the road network in the country and particularly the improved techniques in the motor vehicles management.

14. List out the SAFETY PRECAUTIONS IN MAINTENANCE?

Safety means protecting yourself and others from possible danger and injury.

HAZARDS DUE TO FAULTY WORK HABITS OR CONDITIONS

1. Smoking while handling dangerous materials such as gasoline or solvents.
2. Careless or incorrect handling of gasoline, alcohol, solvents or other flammable fluids.

3. Blocking exits.
4. Spilled oil or antifreeze not cleaned up.
5. Lack of shop exhaust system or failing to connect the system to the tail pipe of a vehicle with a running engine.
6. Allowing dangling hair, ties, sleeves or jewelry to fall into the engine fan, drive belt or other moving part.