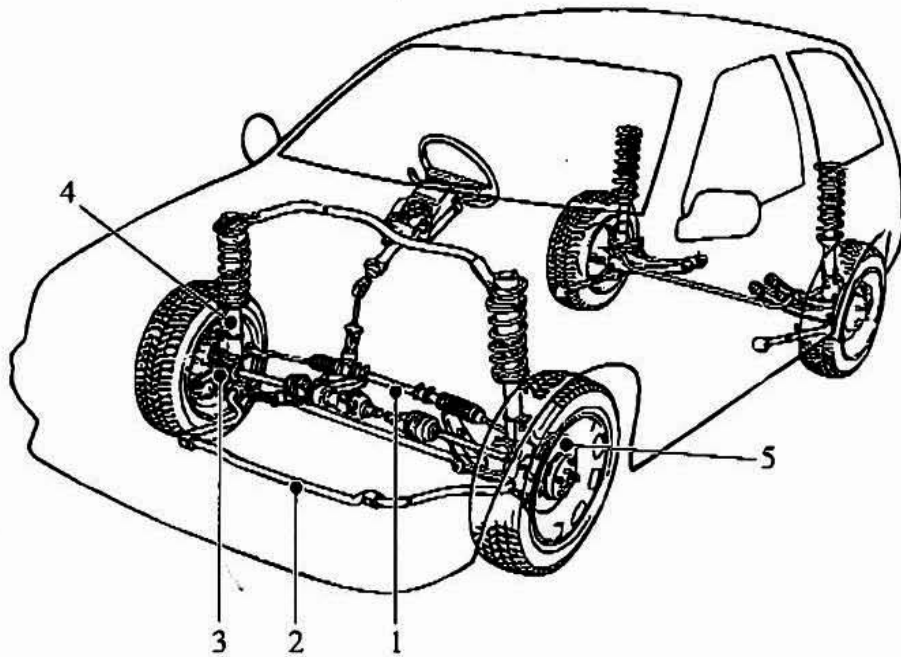


Question 18 (8 marks)



(a) Complete the table below, naming each numbered component and describing its function.

5

| Name | Function |
|--|--|
| 1. Cross member | holds the steering system at a right degree. |
| 2. Disc knuckle Steering rack | used for turning the vehicle left and right. |
| 3. BRAKE pad | used for stopping the vehicle. |
| 4. Suspension | used for the impact of the tyres to go up causing it not to crack the chassis. |
| 5. Disc Pad | used for the brakes to slow/stop the vehicle. |

Question 18 continues on page 12

Question 18 (continued)

- (b) A customer complains that the car battery is constantly running flat.

3

In the table below, list THREE possible faults in the charging system that could be causing the problem. Name the test that you would perform for each fault identified.

| Possible fault | Test to perform |
|---------------------|--|
| Alternator | test ^{test} the voltage it lets out and is it constant |
| BATTERY water level | is there water in the battery to create the current. |
| COIL | test the coil if it is making the 12v in 2000v and charging the Alternator for it to charge the battery. |

End of Question 18