

Total Marks : 80

Duration: 3 Hours

- N.B.:** (1) All questions carry equal marks.
(2) Question No.1 Compulsory.
(3) Attempt any three from remaining five questions.
(3) Figures to the right indicate full marks.
(4) Draw neat sketches wherever necessary.

1. Write short notes on the following. (Any four) (20)
 - (a) Explain Preventive Maintenance.
 - (b) How to do Cylinder Head Servicing.
 - (c) Two technicians are discussing a clutch master assembly. Technician A says the The external leaks are due to secondary seal. Technician B says hydraulic fluid is Hygroscopic to absorb moisture from atmosphere, who is correct?
 - a) Technician A
 - b) Technician B
 - c) Both A and B
 - d) Neither A Nor B
 - (d) Write a short note on Power Window
 - (e) Write a significance of fuse box and relays in electrical system.
 - (f) Write a shote note on OBD II.
2. (a) Explain transmission diagnosis in details. (10)
(b) What are the components of suspension system and explain in details. (10)
3. (a) Explain the major parts of typical air bag system in details. (10)
(b) Explain starting system diagnosis and service procedure in details. (10)
4. (a) Write a short note on security and anti-theft devices. (8)
(b) Write a note on cam shaft inspection (6)
(c) Write a note on catalytic converter (6)
5. (a) Why discharging rate of battery in high in some cases? Explain its cause and Effects. (10)
(b) Explain the diagnosis and servicing of fuel injection system. (10)
6. Write a short note on: (any four)
 - (a) Flywheels (5)
 - (b) Sound system (5)
 - (c) cigarette system. (5)
 - (d) clock system. (5)
 - (e) ventilation system. (5)
