

Sem VIII / CBS GS / AUTO

11/12/2019

Time: 3 Hours

Marks: 80

- N.B.: (1) Question No. 1 is compulsory.
 (2) Attempt any 3 questions out of 5 questions.
 (3) Figures to the right indicates full marks.
 (4) Illustrate your answers with sketches wherever necessary.

- Q.1 Solve any four from remaining in six questions 20
- List out maintenance to be carried out of vehicle after 10,000 Km run 05
 - Write a short note on OBD II 05
 - Explain diagnosis of brakes 05
 - Explain different types of vehicle maintenance. 05
 - How to do servicing of cylinders? 05
 - Explain diagnosis of U Joints 05
- Q.2 20
- Explain diagnosis and servicing of Injection system 10
 - What are probable causes and remedies for differential noise 05
 - Two technicians inspecting brake drum for wear, Technician A says if brake drum has small cracks along its inside linings, it should be replaced. Technician B says if brake drum has minor pitting along its inside linings, it may be resurfaced. Who is correct? 05
 - Technician A
 - Technician B
 - Both A and B
 - Neither A nor B
- Q.3 20
- Explain diagnosis and servicing of Clutch system 10
 - How to do the piston servicing 05
 - Two technicians are discussing a clutch master assembly. Technician A says the external leaks are due to secondary seal. Technician B says hydraulic fluid is hygroscopic to absorb moisture from atmosphere, who is correct? 05
 - Technician A
 - Technician B
 - Both A and B
 - Neither A nor B
- Q.4 20
- Explain engine upper end theory and its servicing 10
 - Write a significance of fuse box and relays in electrical systems 05
 - Technician A says misaligned engine and transaxles cradle may cause drive axle vibrations. Technician B says misaligned engine and transaxles cradle may cause improper front suspension angle, who is correct? 05
 - Technician A
 - Technician B
 - Both A and B
 - Neither A nor B

- Q.5
- a) Write a short note on security and anti-theft devices 20
 - b) Write a note on camshaft inspection 08
 - c) Explain in detail starting system diagnosis and its servicing 06
- Q.6 Solve any four from remaining in six questions 20
- a) Write a note on Windshield wiper 05
 - b) What do you mean by Clutch Juddering and dragging 05
 - c) Write a note on Heated rear window defogger 05
 - d) Power windows 05
 - e) Diagnosis of catalytic converter 05
 - f) Write a note on ABS 05
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