

Printed Pages:02

Paper Id:

147215

Sub Code: EAU801/ NAU801

Roll No.

--	--	--	--	--	--	--	--	--	--

B TECH
(SEM-VIII) THEORY EXAMINATION 2018-19
TROUBLE SHOOTING SERVICING & MAINTENANCE OF AUTOMOBILE

Time: 3 Hours**Total Marks: 100****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt all questions in brief. 2 x 10 = 20**
- a. Define the term Delcoeye.
 - b. What are the main functions of differential?
 - c. What do you mean by Trickle charger?
 - d. What is the use of hydrometer?
 - e. What for camber, caster and toe-in angles are given in steering geometry?
 - f. Define preventive and Reactive maintenance.
 - g. Define engine tuning up and overhauling process.
 - h. What is the main purpose of antifreeze solution used in cooling system?
 - i. Define the term Reconditioning process used for engine components.
 - j. What are the main compositions of the paint used in automobile?

SECTION B

- 2. Attempt any three of the following: 10x3=30**
- a. What is procedure of preparing the check list before inspecting any vehicle?
 - b. Define wire harness and explain the head light focusing procedure?
 - c. Explain the working of wind shield wiper and electric horn?
 - d. Explain the soldering and its procedure?
 - e. Explain the working of door lock and window glass lifting mechanism?

SECTION C

- 3. Attempt any one part of the following: (10x1=10)**
- a. How is general maintenance differing from emergency maintenance explain in detail?
 - b. Write short note on:
 - i) Creative maintenance
 - ii) thermostat
- 4. Attempt any one part of the following: (10x1=10)**
- a. What are the main objects of gear box? Discuss various troubles & its remedies.
 - b. Define the king pin inclination and explain the procedure of wheel alignment.

5. Attempt any *one* part of the following: (10x1=10)
- Explain the procedure of dismantling a cylinder head from an automobile S I engine.
 - Explain the importance of ignition system used in S I engine. Make a compares between battery ignition and magneto ignition system?
6. Attempt any *one* part of the following: (10x1=10)
- What do mean by garage. Explain all types of garages? What are the factors affecting the location of a garages?
 - Define the engine tuning-up. Explain the procedure of engine tuning-up? What are the equipment's used in services garages?
7. Attempt any *one* part of the following: (10x1=10)
- Define the engine overhauling. Explain minor and major overhauling of an automobile engine?
 - Explain the ignition system of an automobile S I engine. What are components used in ignition system and explain in detail?