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**SNS College of Technology, Coimbatore-35.**  
**(Autonomous)**

**B.E/B.Tech- Internal Assessment -I**  
**Academic Year 2023 – 2024 (EVEN)**

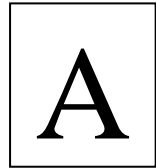
**Sixth Semester**

**Automobile Engineering**

**19AUB304 – VEHICLE MAINTENANCE AND RECONDITIONING**

**Time: 1<sup>1/2</sup> Hours**

**Maximum Marks: 50**



**Answer All Questions**

**PART - A (5 x 2 = 10 Marks)**

	<b>CO</b>	<b>Blooms</b>
1 Recall Maintenance.	<b>CO1</b>	<b>Rem</b>
2 List the main objectives of maintenance system.	<b>CO1</b>	<b>Rem</b>
3 Define Scheduled maintenance system.	<b>CO1</b>	<b>Und</b>
4 State the effect on engine performance if cylinder head gasket got damaged.	<b>CO2</b>	<b>Rem</b>
5 Explain Engine Tune up.	<b>CO2</b>	<b>Rem</b>

**PART – B (40 Marks)**

6 (a) Explain in details about the various types of maintenance in an automobile.	13	<b>CO1</b>	<b>Und</b>
<b>(or)</b>			
(b) Elaborate the various safety precautions that need to be followed while performing the maintenance work in a vehicle.	13	<b>CO1</b>	<b>Und</b>
7 (a) Illustrate the cylinder reboring process with aid of a neat diagram.	13	<b>CO2</b>	<b>Und</b>
<b>(or)</b>			
(b) Discuss the importance of adhering to manufacturer-recommended maintenance intervals for engine components such as oil changes, timing belt replacements, and spark plug inspections. What are the consequences of neglecting these maintenance tasks?	13	<b>CO2</b>	<b>Und</b>
8. (a) Examine the role of sustainability in vehicle maintenance and reconditioning. What initiatives and practices can be adopted to minimize environmental impact, reduce waste, and promote eco-friendly solutions in the automotive industry?	14	<b>CO1</b>	<b>Ana</b>
<b>(or)</b>			
(b) Analyze common symptoms and diagnostic indicators of engine problems, such as abnormal noises, excessive smoke, and loss of power. How can technicians systematically diagnose and troubleshoot engine issues to identify root causes effectively?	14	<b>CO2</b>	<b>Ana</b>

**Rem** – Remembering, **Und** – Understanding, **App** – Apply, **Ana** – Analyzing, **Eva** – Evaluating, **Cre** - Creating

