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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^{1/2} Hours

Maximum Marks: 50

B

Answer All Questions

PART - A (5 x 2 = 10 Marks)

	CO	Blooms
1 List out the types of maintenance system.	CO1	Rem
2 Write the points of maintenance checklist?	CO1	Rem
3 Infer motor vehicle act?	CO1	Und
4 Name the causes of overheating of engine.	CO2	Rem
5 Explain engine overhauling.	CO2	Und

PART – B (40 Marks)

6 (a) Explain the various types of records, books and forms that are being used in automobile service station of cars.	13	CO1	Und
(or)			
(b) Elaborate the concept of scheduled maintenance and unscheduled maintenance in details with an example.	13	CO1	Und
7 (a) Illustrate the step by step procedure of overhauling a multi cylinder petrol engine.	13	CO2	Und
(or)			
(b) What are the primary factors that contribute to engine wear and deterioration over time? How can routine maintenance practices mitigate these factors and prolong engine life?	13	CO2	Und
8. (a) Examine the role of technology and innovation in modern vehicle maintenance and reconditioning processes. How have advancements in diagnostic tools, materials, and techniques transformed the way vehicles are serviced and reconditioned? Discuss both benefits and challenges associated with these advancements.	14	CO1	Ana
(or)			
(b) Examine the role of lubrication in engine performance and longevity. How does engine oil quality, viscosity, and additive packages impact lubrication effectiveness?	14	CO2	Ana

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