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IV SEMESTER B. TECH (MECHANICAL/IP ENGG.) END SEMESTER EXAMINATIONS, MAY 2019 (MAKE-UP)

SUBJECT: AUTOMOBILE ENGINEERING [MME 2204] REVISED CREDIT SYSTEM

Time: 3 Hours MAX. MARKS: 50

Instructions to Candidates:

Answer ALL the questions.

1 A .	How the IC Engines are classified? List.	03						
1B.	Draw and Explain working of an overhead valve under head camshaft mechanism. State its advantages.	04						
1C.	With neat sketch explain the working and functions of piston rings.	03						
2A.	Sketch and explain the provision to overcome difficulties during idling and Low speed in a simple carburetor. What is the difference between battery ignition and Magneto ignition system?							
2B.								
2C.	Explain with simple sketch. Draw and explain working of thermostat cooling system.	03						
3A.	Draw and explain working of a synchromesh mesh gear box.	04						
3B.	With a neat sketch explain the working of Single plate clutch.							
3C.	Explain with a neat sketch working of an Epycyclic gear.							
4A.	With a neat sketch explain working of a Macpherson independent suspension							
4B.	system and its advantages. With a neat sketch explain the following terms with its approximate magnitude and purpose: i) camber ii) castor.							
4C.	What are the good properties of tyres? Explain.	03						
5A.	Explain with a neat sketch the working of an automobile differential gear box.	04						
5B.	Draw and explain the working of a drum type braking system.	03						
5C.	Explain with a neat sketch working of a swinging caliper used in disc brake.	03						

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