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	Code No.: ME732PE	R20	H.T.No.		8	R					
CMR ENGINEERING COLLEGE: : HYDERABAD UGC AUTONOMOUS IV–B.TECH–I–Semester End Examinations (Supply) – April - 2025 AUTOMOBILE ENGINEERING (MECH)											
	[Time: 3 Hours]	(MECH) [Max. Marks: 70]									
	Note: This question paper contains two parts A an Part A is compulsory which carries 20 mark Part B consists of 5 Units. Answer ar carries 10 marks and may have a, b, c as su	s. Answer a	l question fro		unit.	Each	ı que	estio	n		
	PA	ART-A				(2	0 Ma	arks	)		
1. a) b) c) d) e) f) g) h) i) j)	What are the four basic components of the aut What is the primary function of the lubrication What are the requirements of a good ignition of What is the function of a spark plug? Explain the principle of clutches. What are the objectives of suspension system? Define Steering Mechanism. What is the Vacuum Braking system? What are the types of pollutants? What are the effects of emissions on human he	n? system? ?	ructure?						[2 [2 [2 [2 [2 [2 [2 [2 [2]	M] M] M] M] M] M] M] M] M]	
	P	ART-B				(	50 M	[ark	s)		
2.	List out the types of automobile engines. What		ssential param	eters of	diese					D <b>M</b> ]	
2.			ssential param	eters of	diese					)M]	
2. 3.a. b.	List out the types of automobile engines. What	it are the es	ssential param	eters of	diese				[10	DM] M] M]	
3.a.	List out the types of automobile engines. What systems? Explain the testing of fuel pumps.	or and magnet	-		diese				[1( [5 [5	M]	
3.a. b.	List out the types of automobile engines. What systems? Explain the testing of fuel pumps. Explain the fuel supply system of petrol engine	or are the example of the or the example of the or	o-ignition sys	tem.	diese				[1( [5 [5 [1(	M] M]	
3.a. b. 4.	List out the types of automobile engines. What systems? Explain the testing of fuel pumps. Explain the fuel supply system of petrol engine Distinguish between battery-ignition system a	or t are the es or te. nd magnet OR Explain an tch.	o-ignition sys	tem.	diese				[10 [5 [5 [10 [10]	M] M] DM]	
3.a. b. 4. 5.	List out the types of automobile engines. What systems? Explain the testing of fuel pumps. Explain the fuel supply system of petrol engine Distinguish between battery-ignition system a What are the types of liquid cooling system? H	or or or nd magnet or Explain an ch. or	o-ignition sys	tem.	diese				[1( [5] [5] [1( [1(	M] M] DM]	
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