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2018 VI 11	1430	Seat No. :	
Time : 2 Hours	Al	JTOMOBILE EI	NGINEERING – II
	Subject Cod	de	
	V 3 2 2	2	
Total No. of Questions	: 5 (Printed Pages	: 2) M	aximum Marks : 50
2) 3) 4) 5)	 All the questions are co Answer each question o Figures to the right indi Illustrate your answer with necessary. Write the numbers of que 	on a fresh page. icate full marks. th neat labelled diag	_
•	ving questions in one sent		F41
,	e plates provided in the fu		[1] with the engine 2
•	omobile air-conditioning cor Inction of a fuel feed pump		
system?	motion of a fact feed paint		[1]
iv) State any two	advantages of an electric	cal fuel pump.	[1]
v) How is the tur	rbine of a turbo charger dr	riven ?	[1]
vi) Why is a cond	denser used in an automo	bile air conditionir	ng system? [1]
B) Explain the const system.	truction and working of a re	otor pump used ir	n the lubrication [4]
2. A) Answer the follow	vina auestions :		
,	orking of the positive crar	nk case ventilation	n system. [2]
, .	types of petrol engine fuel		[2]
•	constructional features of	•	
B) i) Draw a neat la	abelled diagram of a wax t	type thermostat v	alue. [2]

[2]

ii) State any four requirements of anti-freeze solutions.



3.	 A) Answer the following questions: i) Write a short note on the working of LPG fuel system. ii) What do the following flame colours indicate in a flame leak detector used in testing of refrigerant in the air conditioning system. 	[2]
	a) Bright yellow flame.b) Violet flame.iii) Explain the working of a simple carburettor.	[1] [1] [2]
	B) Write the construction and working of vapour recovery system used to minimise emissions.	[4]
4.	 A) Answer the following questions: i) Explain the working of an automobile air-conditioning system. ii) State any four characteristics of CNG. iii) Give any four points of comparison between MPFI and carburettor fuel systems. 	[2] [2]
	B) With a neat labelled sketch, explain the working of a pneumatic governor.	[4]
5.	A) Answer the following questions:i) State the four requirements of diesel fuel injection system.ii) Define:	[2]
	 a) Viscosity of a lubricating oil. b) Flash point of a lubricating oil. iii) Explain the necessity of a thermostat valve in the water cooling system. B) i) Write any four disadvantages of petrol injection system. ii) Draw a neat labelled sketch of multi-point port injection system. 	[1] [1] [2] [2] [2]

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