Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

Seventh Semester B.E. Degree Examination, Aug./Sept.2020 Two and Three Wheeled Vehicles

Tim	ie: 3	hrs. Max. Mar	ks:100
Time. 5 ind.			
Note: Answer any FIVE full questions, selecting at least TWO full questions from each part.			
		DADT.	
		PART - A So when extracting machinism and with neat	diagram
1	a.	Name and explain different types of value actuating mechanism and with neat	10 Marks)
	b.	Name various components of IC engine and with neat diagram explain any two con	10 Marks)
			,
	2 a. Name different types of carburetors used in two wheelers. Explain S.U. carburetor with neat		
2	a.		10 Marks)
		sketch. What are the different types of lubrication used in automobile? Explain mis	t type of
	b.	What are the different types of hubication used in automobile.	(10 Marks)
		lubrication used in two and three wheelers.	
		1 to the share machanism of a motor cycle	(06 Marks)
3	a.	With sketch, explain the clutch release mechanism of a motor cycle. Differentiate between sliding mesh and constant mesh gear transmission. Ex	
	b.	Differentiate between sliding mesh and constant mesh gen transmission	(10 Marks)
		working of a constant mesh gear box with sketch.	(04 Marks)
	c.	Write a note on shaft drives for motor cycles.	,
		A. C. Chama	(10 Marks)
4	a.	Explain different components of frame.	(10 Marks)
	b.	Write a note on shock absorber.	,
		PART - B	
		With a neat diagram, explain working of Disc brake. Also mention the merit and	demerit of
5	a.	With a neat diagram, explain working of Disc blake. Also mention the	(10 Marks)
		disc brake over drum brake.	(10 Marks)
	b.	Name all the desirable properties of the tyre and explain them.	
		and maintenance of spark	plug.
6	a.	What is Spark Plug? Discuss the construction, operation and maintenance of spark	(10 Marks)
		Draw a wiring diagram for lighting system of a motor cycle and explain the parts.	(06 Marks)
	b.	Draw a wiring diagram for lighting system of a motor open and	(04 Marks)
	c.	Write a note on types of ignition systems.	
	(,,,	to the law trains leavent for leading auto rickshaws.	(10 Marks)
7	a.	Explain the drive train layout for loading auto rickshaws. Explain the suspensation system used in autorickshaws (swing arm suspension).	(10 Marks)
	1-	Lypioin the chenedicalidii system used in activities (************************************	

s) b. Explain the suspensation system used in autorickshaws (swing

(10 Marks) Explain the importance of maintenance. (10 Marks) Write down the troubleshooting chart for a two wheeler.