CBCS SCHEME

USN		15	5ME751	
Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019				
Automotive Electronics				
Automotive Lieuti omos				
Tim	e: 3	3 hrs. Max. Ma	rks: 80	
Note: Answer any FIVE full questions, choosing ONE full question from each module.				
1 (ote. 7 misrer unit 117 2 juni questionis, encosing et 2 juni questionis)				
		Module-1		
1	a.	Zirpiumi i bulomo oʻyotti, marati ili	(06 Marks)	
	b.	Zilpiani spani pana gana	(06 Marks)	
	C.	Discuss Steering system.	(04 Marks)	
		OR		
2	a. Define Power, BSFC, Torque, Volumetric efficiency, Thermal efficiency, Calibration.			
			(06 Marks)	
	b.	Explain Spain times of Personner	(04 Marks) (06 Marks)	
	C.	Discuss Electronic ignition, with block diagram.	(00 Marks)	
		Module-2		
3	a.	Explain 1 jpious of our of the state of the	(06 Marks)	
	b.	Explain Strain 8448 1111	(05 Marks)	
	C.	Explain Magnetic Reluctance position sensor, with neat sketch.	(05 Marks)	
		OR .		
4	a.		(10 Marks)	
	b.		(06 Marks)	
-		Module-3 Briefly explain the features of Digital Electronic Control, with block diagram.	(08 Marks)	
5	a. b.	Explain Secondary Air Control system and its management using block diagram.	(08 Marks)	
	υ.	Explain Secondary Air Condor System and its management assing every angular	,	
		OR		
6	a.	Explain Data Processing.	(08 Marks)	
	b.	Discuss Digital Modules in control units.	(08 Marks)	
		Module-4		
7	a.	Classify BUS systems and discuss its application in the vehicle.	(06 Marks)	
	b.	Broadly discuss CAN Bus, LAN Bus and MOST Bus.	(10 Marks)	
		OR		
0		OR Explain vaccum operated Throttle Actuator, with neat labeled sketch.	(08 Marks)	
8	a. b.	Discuss elaborately, Digital cruise control.	(08 Marks)	
	υ.	Discuss classificity, Digital states contact.	,	
Module-5				
9	a.	Explain Timing Light, with block diagram.	(06 Marks)	
	b.	Elaborate accelerometer based Air bag system.	(10 Marks)	

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.

10

a. Explain Collision Avoidance Radar warning system.b. Explain Low Tyre pressure Warning system.

OR

(08 Marks)

(08 Marks)