Paper / Subject Code: 52205 / 2) Vehicle Safety

BE/Sem VIII/CBSGS/AUTO/MJ2019/24-05-2019

		(5 Hours) Total Marks: -3	50
N.E		 Question no.1 is compulsory. Attempt any three out of remaining five questions. Figures to the right indicate full marks. Illustrate your answers with sketches wherever necessary. 	
Q.1	a b c d e f	Explain active and passive safety. Explain the significance of crash testing.	0.00 0.00 0.00 0.00 0.00
Q.2	a	Write short notes on the following 1. Quasistatic seat test 2. Hydge sled test	05 05
	b	Explain accident reconstruction analysis	10
Q.3	a	According to you what are the key issues of vehicle safety in India. Explain in detail.	10
	b	Explain any two automotive safety systems:	10
Q.4	a	Explain different priorities taken into consideration while preparing safety plan.	10
	b	Explain in detail photogrammetry in accident reconstruction	10
2.5	a	Draw the fishbone diagram for root cause identification of accidents	10
	b	According to you what measures government can undertake to minimize accidents?	10
),6		Explain the following terms 1) Head restrain position in normal driving 2) Universal design and alternative design 3) Human error analysis 4) Accident data	05 05 05