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Instructions – (1)			(1)	All Questions are Compulsory.									
			(2)	Illustrate you necessary.	r answer wi	ith ne	eat sk	etcł	nes	wh	erev	/er	
			(3)	Figures to th	e right indi	cate f	full n	nark	s.				
			(4)	Assume suita	ble data, if	nece	ssary.						
			(5)	Mobile Phon Communicati Examination	e, Pager and on devices a Hall.	l any are ne	othe ot pe	er E rmis	lect ssib	roni le i	ic n		
												Ma	rks
1.		Attempt	any	<u>FIVE</u> of the	e following:								10
	a)	Define 'Camber' and 'Caster'.											
	b)	State two requirements of steering system.											
	c)	List two advantages of air braking system.											
	d)	State classification of brakes.											
	e)	List two functions of suspension system.											
	f)	State materials used for automobile body.											
	g)	Define tractive effort.											
2.		Attempt	any	THREE of	the followin	g:							12
	a)	Draw a neat sketch of recirculating ball type steering gear box. Write its working principle.											
	b)	Distinguish between drum brakes and disc brakes. (Any four points.)											
	c)	Describe operation of gas filled shock absorber with sketch.											
	d)	Explain	the c	concept of air	bag with su	uitabl	e ske	tch.				P.7	.0.

- Rolling resistance ii)
- Gradient resistance. iii)