Q.P. Code : 802002

		(3 Hours) [ Total	al Marks: 80
N.J	<b>B.</b> : (]	1) Question no.1 is compulsory	
	,	2) Attempt any three questions from remaining	
		3) Figures to the right indicate full marks.	
	`		
1.	Wri	ite short notes on:	20
		(a) SACH foot	<b>•</b>
		(b) SOMI	
		(c) Anisotrophic behaviour of bone	
		(d) Synovial joints - Classification	
2.	(a)	Explain the steps of PTB fabrication.	10
	(b)	Explain the various loading modes of bone.	10
	• /		
3.	(a)	Define levers and mechanical advantage. Explain different types	s of levers 10
-	` /	stating one anatomical example for each.	
	(b)	Explain a typical stress-strain curve.	10
	(-)		
4.	Ext	plain the human gait cycle in detail with joint angle graphs.	20
	1		
5.	(a)	Explain any one lower limb orthosis.	10
	(b)	Explain biomechanics of tendons and ligaments.	10
	( )		
6.	Wr	rite short notes on: (Any four)	20
		(a) Jaipur Foct	
		(b) Cervical collars	
	<b>Y</b>	(c) Goniometers	
		(d) CTEV	
		(e) Abnormal spinal curvatures	