Con. 6635-11.		MP-4357
 (3 Hours) [Total Marks : 100 N.B.: (1) Question No.1 is compulsory. (2) Attempt any four questions from the remaining six questions. (3) Figures to the right indicate full marks. (4) Illustrate answers with sketches whenever required. 		
Ql)a) Draw and explain the stress	strain curve:	(05)
b) Write a note on transducers	in prosthetics and 'orthotics	s. (05)
c) Write a note on wrist units,		(05)
d) Discuss the standard below	elbow harness,	(05)
<i>Qf.)</i> a) Explain the mechanics of beb) Discuss the use of types of	•	(10) (10)
Q3) a) Compare the biornechanical ligament,	characterization of tendor	and (10)
b) Classify different spinal ort giving examples.	hosis and describe any two	of them (10)
Q4) a) List the deformities of ank correct them>	le and explain how orthosis	s is used to (10)
b) Define a Lever and Explain body with examples.	n different types of lever ex	xisting in our (10)
Q5) a) Discuss the Normal Gait (Cycle with neat sketches.	. (10)
b) Discuss the biomechanics	of a total contact quadrilate	eral socket. (10)

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(20)

- 0.6) a) Explain lower limb prosthesis using neat diagrams. (10) (10)
 - b) Explain Lamination procedure of the PTB
- Write shalt notes on: (any four) Q7)
 - a) Stirrup
 - b) Jaipur foot
 - c) Biomechanics of skin
 - d) 3-point pressure principle
 - e) Hooks'

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