

C. P. Code :- 37616

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**Solution Key #3**

1.	(a)	Classification Of Biomaterials	2
		Simple explanation	3
	(b)	Prosthesis define and example	2.5
		Orthosis define and example	2.5
	(c)	Definition	2
		Explanation	3
	(d)	Define Joint	2
		Mention at least 3 functions	3
2.	(a)	Mention all the three types of Levers with Explanation	5
		Draw the Anatomical Sketch of Each lever	5
	(b)	Daigram Of Gait Cycle	4
		Explanation	6
3.	(a)	Diagram	4
		Explanation: Principle and detailed Explanation	6
	(b)	Invitro Techniques	4
		Explanation	6
4.	(a)	Polymer Explanation	2
		Classification	4
		Biodegradable Polymers Explanation	4
	(b)	Explanation on stainless steel, its properties	5
		Medical applications of Stainless steel	5
5.	(a)	HCTO Diagram	5
		Explanation	5
	(b)	Composition of Ti and Ti based alloys	5
		Its medical applications	5
6.	(1)	Shape Memory Effect Diagram	2.5
		Explanation	2.5
	(2)	Diagram	2.5
		Explanation	2.5
	(3)	Wear Definition and Explanation	2.5
		Corrosion Definition and Explanation	2.5
	(4)	Sutures- properties	2.5
		Explanation	2
	(5)	Diagram	2
		Explanation	3