1 Qev)	Extra
Sem III - (Biomed) Rev CBGS	
Bio - Materials	281 5114
	e: NP-18687
(3 Hours)	[Total Marks: 80

N. B.: (1) Draw the appropriate diagrams required.

(2) Attempt any four out of six questions.

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Write any four out of five '-	
	2
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	5
	8 .
(e) Explain the properties of biomaterials used in urological practice.	. 5
	(#)
	10
(b) Classify Ceramics. Explain the properties of Alumina and state its applications.	10 ·
(a) Explain the composition of bioglass and its application.	10
(b) Explain the different fabrication processes of composites.	10
Write a short note on:-	
(a) Biodegradable polymers	20
Write a short note on (any four):-	20
· DIACE	
	48
(a) Explain the different biomaterials used in bulk space fillers and its properties.	10
	10
description of its properties.	~0
	 (a) Explain the properties of materials used in biological heart valves. (b) Classify Ceramics. Explain the properties of Alumina and state its applications. (a) Explain the composition of bioglass and its application. (b) Explain the different fabrication processes of composites. Write a short note on: (a) Biodegradable polymers (b) Biodegradable ceramics. Write a short note on (any four): (a) Polyethylene (b) Polypropylene (c) PMMA (d) Hydrogels. (e) Silicon Rubber (f) Collagen. (a) Explain the different biomaterials used in bulk space fillers and its properties. (b) Explain the different materials used in drug delivery systems and give a detailed