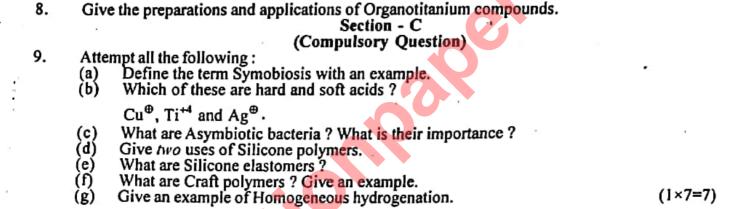
## INORGANIC CHEMISTRY - I

	(Common for B.Sc., Biotech; and Industrial Microbiology)	
Time	: Three Hours [Maximum Marks : 3.	5
Note	Attempt five questions. Select two questions each from Section A and B. Q. no. 9 of section C	is
	compulsory.	
	Section - A	
1.	Explain in detail Pearso's HSAB concept.	7
2.	How is electronegativity helpful in classifying hard and soft acid-bases concept?	7
3.	What are Essential and Trace elements ? Explain thier roles in biological system.	7
1. 2. 3. 4.	What are Metallic porphyrins? Explain the roles played by Haemoglobin and Myeoglobin a	<b>3</b> S
	oxygen carrier.	1
	Section - B	_
5.	What are Silicone polymers. How are these prepared? Give their applications.	_
5. 6, 7.	Explain the nature of bonding in Triphosphazenes.	5
7.	What are Organometallic compounds? Outline the preparation of Organolithium compounds	s.
	Draw the structure of Methyl lithium tetramer.	



8.