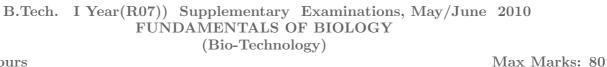
## Code No: R7102304



## Time: 3 hours

## Answer any FIVE Questions All Questions carry equal marks $\star \star \star \star \star$

1.	What all are the advantages of bacteria possessing flagella?	[16]
2.	Describe the significance of cell division, cell elongation and cell differentiation in plant growth.	[16]
3.	Explain the canal system in sponges.	[16]
4.	Define the one gene-one enzyme hypothesis.	[16]
5.	What are the structures of digestive system? What are the constituents of pancreatic and inte secretions?	stinal [16]
6.	Enumerate on Muscle Spindle Receptors.	[16]
7.	Compare fermentations to aerobic respiration with respect to	
	<ul><li>(a) the amount of energy released from the energy source (e.g. glucose),</li><li>(b) the compound that serves as an electron acceptor, and</li><li>(c) the mechanisms of ATP synthesis that are involed.</li></ul>	
8.	Enumerate on Monoclonal antibody therapy.	[16]

