

**SARDAR PATEL UNIVERSITY**  
**Programme: B.Sc (Environmental Science)**  
**Semester: V**  
**Syllabus with effect from: June 2013**

<b>Paper Code: US05CENV07</b>	<b>Total Credits: 2</b>
<b>Title Of Paper: Practical (Paper-I &amp; II)</b>	

Unit	Description in detail	Weightage (%)
	To study aseptic techniques of Laboratory	<b>100%</b>
	Introduction to laboratory Instruments	
	To Localize nucleic acid (DNA & RNA) using FEULGEN reaction	
	Isolation of DNA from plant	
	Isolation of RNA from plant	
	Heavy Metal Removal by Charcoal method	
	Heavy Metal Removal using Macrophytes	
	Callus culture Technique	
	Another culture Technique	
	Tissue culture of Plumbago	
	To study the effect of Fungicide in plants	
	To study the effect of herbicide in plants	
	To study the effect of Pesticide in plants	
	To Isolate Iron resistant Bacteria from soil sample	
	Bio Removal of Iron using Different iron Resistant isolated Bacteria	
	To Isolate Aluminum resistant Bacteria from soil sample	
	Bio Removal of Aluminum using Different Aluminum Resistant isolated Bacteria	
	Bioassay using fish	

