

**Schedule XXXII (Only for PG Institute)**  
**Minimum required facilities for Central Research Laboratory**

Phytochemical test facility		Available / Not Available	Deficiency
1.	<b>Qualitative</b>		
	1. Organic tests	NA	
	2. Inorganic tests	Available	
	3. Fluorescence analysis of powders	NA	
	4. Chromatography		
	i. TLC (Thin Layer Chromatography)	Available	
	ii. NPST (Namboori Phased Spot Test)	Available	
	iii. Column Chromatography	Available	
2.	<b>Pharmacognostic</b>		
	(a) Authentication	Available	
	(b) Macroscopic	Available	
	(c) Section microscopy	Available	
	(d) Powder microscopy	Available	
	(e) Microtome section	Available	
	(f) Multiple staining and permanent slide preparation	Available	
	(g) Digital microscopy	Available	
(h) Quantitative microscopy (Stomata number, Stomatal Index, Palisade number, Vein islet number)	Available		
3.	<b>Microbiological</b>		
	(a) Microbial limits		
	i. Total bacterial count	In Process	
	ii. Total Fungal count	In Process	
	iii. Tests for specific pathogens	In Process	
	(b) Antimicrobial study (Cup Plate method, MIC and MBC)	In Process	
	i. Antibacterial	In Process	
	ii. Antifungal	In Process	
	(c) Microbial culture	In Process	
	i. Water	In Process	
ii. Clinical Swab	In Process		
4.	<b>Invitro Studies:</b>		
	(a) Antioxidant	NA	
	(b) Immunomodulatory	Available	
	(c) Antimicrobial	NA	
<b>Quantitative</b>			
1.	Flame photometry Calcium, Sodium, Potassium,	Available	
2.	UV Spectrophotometry	In Process	
	(a) Phenols, Flavonoids, Carbohydrate, Proteins, Sugar, Iron etc	Available	

Signature of Member

Signature of Member

Signature of Chairman

