

Schedule -II (FOR PG)
Minimum required facilities for Central Research Laboratory

Phytochemical test facility		Available / Not Available	Deficiency
1.	Qualitative		
	1.Organic tests		
	2.Inorganic tests	Available	
	3.Fluorescence analysis of powders	Available	
	4.Chromatography	Available	
	i. TLC (Thin Layer Chromatography)	Available	
	ii. NPST (Namboori Phased Spot Test)	Available	
	iii. Column Chromatography	Available	
2.	Pharmacognostic	Available	
	(a) Authentication		
	(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.	Microbiological		
	(a) Microbial limits		
	i. Total bacterial count	Available	
	ii. Total Fungal count	Available	
	iii. Tests for specific pathogens	Available	
	(b) Antimicrobial study (Cup Plate method, MIC and MBC)	Available	
	i. Antibacterial	Available	
	ii. Antifungal	Available	
	(c) Microbial culture	Available	
	i. Water	Available	
	ii. Clinical Swab	Available	
4.	Invitro Studies:	Available	
	(a) Antioxidant		
	(b) Immunomodulatory	Available	
	(c) Antimicrobial	Available	
	Quantitative	Available	
1.	Flame photometry - Calcium, Sodium, Potassium,		
2.	UV - Spectrophotometry	Available	
	(a) Phenols, Flavonoids, Carbohydrate, Proteins, Sugar, Iron etc	Available	
		Available	