

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

Phytochemical test facility		Available / Not Available	Deficiency
1.	Qualitative	Available	
	1.Organic tests	Available	
	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		
	(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.	Microbiological	-	
	(a) Microbial limits	Available	
	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		
	i. Water	Available	
	ii. Clinical Swab	Available	
	4.	Invitro Studies:	
(a) Antioxidant		Available	
(b) Immunomodulatory		Available	
(c) Antimicrobial		Available	
Quantitative			
1.	Flame photometry – Calcium, Sodium, Potassium,	Available	
2.	UV – Spectrophotometry	Available	
	(a) Phenols, Flavonoids, Carbohydrate, Proteins, Sugar, Iron etc	Available	

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