

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	-	
	4.Chromatography	-	
	i. TLC (Thin Layer Chromatography)	Available	
	ii. NPST (Namboori Phased Spot Test)	-	
	iii. Column Chromatography	-	
2.	Pharmacognostic		
	(a) Authentication	Available	
	(b) Macroscopic	Available	
	(c) Section microscopy	Available	
	(d) Powder-microscopy	-	
	(e) Microtome section	-	
	(f) Multiple staining and permanent slide preparation	Available	
	(g) Digital microscopy	-	
	(h) Quantitative microscopy (Stomata number, Stomatal Index, Palisade number, Vein islet number)	-	
3.	Microbiological		
	(a) Microbial limits	-	
	i. Total bacterial count	-	
	ii. Total Fungal count	-	
	iii. Tests for specific pathogens	-	
	(b)Antimicrobial study (Cup Plate method, MIC and MBC)	-	
	i. Antibacterial	-	
	ii. Antifungal	-	
	(c) Microbial culture	-	
	i. Water	-	
	ii. Clinical Swab	-	
4.	Invitro Studies:	-	
	(a) Antioxidant	-	
	(b) Immunomodulatory	-	
	(c) Antimicrobial	-	
	Quantitative		
1.	Flame photometry – Calcium, Sodium, Potassium,	-	
2.	UV – Spectrophotometry	-	
	(a) Phenols, Flavonoids, Carbohydrate, Proteins, Sugar, Iron etc	-	



Vc Principal
Tilak Ayurved Mahavidyalaya
Pune - 11

Signature of Member

Signature of Member

Signature of Chairman