

S. No.	Type	Name of the Plant	Circumference (cm)	Radius (R) in cm	R ² in cm ²	Basal Area (πR ²) in cm ²	Basal area x No. of plants	Q-1 (PC)	Q-2 (PC)	Q-3 (TP)	Q-4 (TP)	Q-5 (K)	Q-6 (K)	Q-7 (K)	Q-8 (K)	Q-9 (E)	Q-10 (E)	Total No. of Individuals
			1	2	3	4	5	7	8	9	10	11	12	13	14	15	16	17
1	Herb	<i>Chirita mishmiensis</i>	0.85	0.14	0.02	0.06	2.47	8	7		6		5		8	9		43
2	Grass	<i>Pogonatherum paniceum</i>	0.95	0.15	0.02	0.07	3.74	11	8	4	1			10	7	6	5	52
3	Herb	<i>Senecio wightianus</i>	1	0.16	0.03	0.08	1.27		9				7					16
4	Herb	<i>Solanum nigrum</i>	0.65	0.10	0.01	0.03	0.74		9			13						22
5	Herb	<i>Curcuma amada</i>	6	0.96	0.91	2.87	54.46			5					8	6		19
6	Herb	<i>Chlorophytum tuberosum</i>	0.91	0.14	0.02	0.07	1.58			4		11				9		24
7	Herb	<i>Lycopodium</i> sp.	0.27	0.04	0.00	0.01	0.18	18					8				5	31
8	Herb	<i>Amomum subulatum</i>	4.22	0.67	0.45	1.42	29.78			4			6			7	4	21
9	Herb	<i>Tacca laevis</i>	1.11	0.18	0.03	0.10	2.55	10					5	5		6		26
10	Herb	<i>Zingiber</i> sp.	0.87	0.14	0.02	0.06	2.41		17			10			8		5	40
11	Herb	<i>Alpinia nigra</i>	0.67	0.11	0.01	0.04	2.22	20							9	33		62
12	Herb	<i>Globba multiflora</i>	0.57	0.09	0.01	0.03	0.75		4			6	6			8	5	29
13	Herb	<i>Viola canescens</i>	0.33	0.05	0.00	0.01	0.39	13			1	12		19				45
14	Herb	<i>Sida acuta</i>	0.41	0.07	0.00	0.01	0.86	19				33				12		64
15	Herb	<i>Acorus calamus</i>	0.79	0.13	0.02	0.05	2.63		12				4	24			13	53
16	Herb	<i>Drymaria diandra</i>	0.22	0.04	0.00	0.00	0.60	19	47			44		46				156
17	Herb	<i>Commelina maculata</i>	0.75	0.12	0.01	0.04	6.67		37	10	3				44	21	34	149
18	Herb	<i>Agrostis griffithiana</i>	0.74	0.12	0.01	0.04	6.06		33	8		39	7		23	10	19	139
19	Herb	<i>Alocasia indica</i>	0.79	0.13	0.02	0.05	8.75	29	18		4	79	11	35				176
20	Herb	<i>Fragaria indica</i>	0.81	0.13	0.02	0.05	10.76	21	32			89	12			39	13	206
21	Herb	<i>Polygonum</i> sp.	0.34	0.05	0.00	0.01	1.89		49	12	2	34		35	21	25	27	205
22	Herb	<i>Begonia nepalensis</i>	0.56	0.09	0.01	0.02	5.54	19		9		38	26	61	34	24	11	222
23	Herb	<i>Ageratum conyzoides</i>	0.56	0.09	0.01	0.02	8.61	51	46	13	6	45	34	32	56	51	11	345
24	Grass	<i>Saccharum arundinaceum</i>	3.1	0.49	0.24	0.77	3.06							4				4
25	Grass	<i>Pseudostachyum polymorphum</i>	1.9	0.30	0.09	0.29	5.75	4			8				3	5		20
26	Grass	<i>Saccharum spontaneum</i>	3.21	0.51	0.26	0.82	7.38					9						9
27	Sedge	<i>Cyperus brevifolius</i>	0.44	0.07	0.00	0.02	0.77	9	5	8	6		7			6	9	50
28	Grass	<i>Themeda villosa</i>	2.23	0.36	0.13	0.40	3.96					2				8		10
29	Sedge	<i>Eleocharis tetraquetra</i>	1.59	0.25	0.06	0.20	4.83					5				8	11	24
30	Grass	<i>Paspalum scorbiculatum</i>	0.2	0.03	0.00	0.00	0.46	23	25		45	14		25		14		146
31	Sedge	<i>Mariscus sumatrensis</i>	0.24	0.04	0.00	0.00	0.33	13	14		17		16			12		72
32	Grass	<i>Thysanolaena maxima</i>	2.43	0.39	0.15	0.47	16.45				27		2			1	5	35
33	Grass	<i>Phragmites karka</i>	3.12	0.50	0.25	0.78	72.85				78					16		94
34	Grass	<i>Stipa</i> sp.	2.98	0.47	0.23	0.71	45.25			12	34	8	1				9	64
35	Sedge	<i>Carex baccans</i>	0.87	0.14	0.02	0.06	4.04				24	5	1	19		11	7	67
36	Grass	<i>Panicum palmifolium</i>	0.67	0.11	0.01	0.04	3.79			16	34	8	12	32	4			106
37	Grass	<i>Cynodon dactylon</i>	0.22	0.04	0.00	0.00	0.64			28	30	12	4	29	21	23	19	166
38	Grass	<i>Pogonatherum paniceum</i>	0.78	0.12	0.02	0.05	8.91		52	21	56	7	8	17			23	184
39	Sedge	<i>Frimbristylis</i> sp.	0.15	0.02	0.00	0.00	0.37		18	37	36		25	23	11	13	46	209
40	Grass	<i>Chrysopogon aciculatus</i>	0.22	0.04	0.00	0.00	1.06		47	46	62	13	8	32	10	17	39	274
41	Grass	<i>Imperata cylindrica</i>	0.65	0.10	0.01	0.03	8.51	45	26	15	42	61		21		20	23	253
							343.34											3932

1	Shrub	<i>Rubus moluccanus</i>	3.6	0.57	0.33	1.03	17.54	2		3	5			4		3		17
2	Shrub	<i>Clerodendrum colebrookeanum</i>	5.5	0.88	0.77	2.41	67.44			4		4	3	7		4	6	28
3	Shrub	<i>Colebrookea</i> sp	6	0.96	0.91	2.87	157.64					12	9		8	12	14	55
4	Shrub	<i>Polygonum chinense</i>	23	3.66	13.41	42.12	3495.78	9	6	5			13	12	11	15	12	83
5	Shrub	<i>Rubus lucens</i>	6.9	1.10	1.21	3.79	401.80	11	12		21		13	23	12	8	6	106
6	Shrub	<i>Medinilla himalayana</i>	9	1.43	2.05	6.45	612.66	17	12	13		11	12	21			9	95
7	Shrub	<i>Naravelia zeylanica</i>	19	3.03	9.15	28.74	344.90					12						12
8	Shrub	<i>Tamarix dioica</i>	3.8	0.61	0.37	1.15	25.29					6		5		5	6	22
9	Shrub	<i>Polygonum capitatum</i>	4.7	0.75	0.56	1.76	79.14	9	4		7	6			6	5	8	45
10	Shrub	<i>Solanum indicum</i>	3.6	0.57	0.33	1.03	27.86	6		5		7	4				5	27
11	Shrub	<i>Polygonum microcephalum</i>	4.2	0.67	0.45	1.40	16.85	3	6		1	2						12
12	Shrub	<i>Urtica dioica</i>	6.8	1.08	1.17	3.68	40.50	3	2			1			5			11

S. No.	Type	Name of the Plant	Quadrate of occurrence	Total No. of Quadrate Studied	Abundance	Frequency (%)	Density	Relative frequency	Relative Density	Relative dominance	Importance Value Index (IVI)	n_i/N	$\ln n_i/N$	$n_i/N \times \ln n_i/N$	Shannon Index (H')
			18	19	20	21	22	23	24	25	26	27	28	29	30
1	Herb	<i>Chirita mishmiensis</i>	6	10	7.17	60	4.3	2.93	1.09	0.72	4.74	0.0109359	-4.52	-0.05	3.34
2	Grass	<i>Pogonatherum paniceum</i>	8	10	6.50	80	5.2	3.90	1.32	1.09	6.31	0.0132248	-4.33	-0.06	
3	Herb	<i>Senecio wightianus</i>	2	10	8.00	20	1.6	0.98	0.41	0.37	1.75	0.0040692	-5.50	-0.02	
4	Herb	<i>Solanum nigrum</i>	2	10	11.00	20	2.2	0.98	0.56	0.22	1.75	0.0055951	-5.19	-0.03	
5	Herb	<i>Curcuma amada</i>	3	10	6.33	30	1.9	1.46	0.48	15.86	17.81	0.0048321	-5.33	-0.03	
6	Herb	<i>Chlorophytum tuberosum</i>	3	10	8.00	30	2.4	1.46	0.61	0.46	2.53	0.0061038	-5.10	-0.03	
7	Herb	<i>Lycopodium sp.</i>	3	10	10.33	30	3.1	1.46	0.79	0.05	2.30	0.007884	-4.84	-0.04	
8	Herb	<i>Amomum subulatum</i>	4	10	5.25	40	2.1	1.95	0.53	8.67	11.16	0.0053408	-5.23	-0.03	
9	Herb	<i>Tacca laevis</i>	4	10	6.50	40	2.6	1.95	0.66	0.74	3.36	0.0066124	-5.02	-0.03	
10	Herb	<i>Zingiber sp.</i>	4	10	10.00	40	4	1.95	1.02	0.70	3.67	0.0101729	-4.59	-0.05	
11	Herb	<i>Alpinia nigra</i>	3	10	20.67	30	6.2	1.46	1.58	0.65	3.69	0.0157681	-4.15	-0.07	
12	Herb	<i>Globba multiflora</i>	5	10	5.80	50	2.9	2.44	0.74	0.22	3.40	0.0073754	-4.91	-0.04	
13	Herb	<i>Viola canescens</i>	4	10	11.25	40	4.5	1.95	1.14	0.11	3.21	0.0114446	-4.47	-0.05	
14	Herb	<i>Sida acuta</i>	3	10	21.33	30	6.4	1.46	1.63	0.25	3.34	0.0162767	-4.12	-0.07	
15	Herb	<i>Acorus calamus</i>	4	10	13.25	40	5.3	1.95	1.35	0.77	4.07	0.0134791	-4.31	-0.06	
16	Herb	<i>Drymaria diandra</i>	4	10	39.00	40	15.6	1.95	3.97	0.18	6.09	0.0396745	-3.23	-0.13	
17	Herb	<i>Commelina maculata</i>	6	10	24.83	60	14.9	2.93	3.79	1.94	8.66	0.0378942	-3.27	-0.12	
18	Herb	<i>Agrostis griffithiana</i>	7	10	19.86	70	13.9	3.41	3.54	1.77	8.71	0.035351	-3.34	-0.12	
19	Herb	<i>Alocasia indica</i>	6	10	29.33	60	17.6	2.93	4.48	2.55	9.95	0.0447609	-3.11	-0.14	
20	Herb	<i>Fragaria indica</i>	6	10	34.33	60	20.6	2.93	5.24	3.13	11.30	0.0523906	-2.95	-0.15	
21	Herb	<i>Polygonum sp.</i>	8	10	25.63	80	20.5	3.90	5.21	0.55	9.67	0.0521363	-2.95	-0.15	
22	Herb	<i>Begonia nepalensis</i>	8	10	27.75	80	22.2	3.90	5.65	1.61	11.16	0.0564598	-2.87	-0.16	
23	Herb	<i>Ageratum conyzoides</i>	10	10	34.50	100	34.5	4.88	8.77	2.51	16.16	0.0877416	-2.43	-0.21	
24	Grass	<i>Saccharum arundinaceum</i>	1	10	4.00	10	0.4	0.49	0.10	0.89	1.48	0.0010173	-6.89	-0.01	
25	Grass	<i>Pseudostachyum polymorphum</i>	4	10	5.00	40	2	1.95	0.51	1.67	4.13	0.0050865	-5.28	-0.03	
26	Grass	<i>Saccharum spontaneum</i>	1	10	9.00	10	0.9	0.49	0.23	2.15	2.87	0.0022889	-6.08	-0.01	
27	Sedge	<i>Cyperus brevifolius</i>	7	10	7.14	70	5	3.41	1.27	0.22	4.91	0.0127162	-4.36	-0.06	
28	Grass	<i>Themeda villosa</i>	2	10	5.00	20	1	0.98	0.25	1.15	2.38	0.0025432	-5.97	-0.02	
29	Sedge	<i>Eleocharis tetraquetra</i>	3	10	8.00	30	2.4	1.46	0.61	1.41	3.48	0.0061038	-5.10	-0.03	
30	Grass	<i>Paspalum scrobiculatum</i>	6	10	24.33	60	14.6	2.93	3.71	0.14	6.78	0.0371312	-3.29	-0.12	
31	Sedge	<i>Mariscus sumatrensis</i>	5	10	14.40	50	7.2	2.44	1.83	0.10	4.37	0.0183113	-4.00	-0.07	
32	Grass	<i>Thysanolaena maxima</i>	4	10	8.75	40	3.5	1.95	0.89	4.79	7.63	0.0089013	-4.72	-0.04	
33	Grass	<i>Phragmites karka</i>	2	10	47.00	20	9.4	0.98	2.39	21.22	24.59	0.0239064	-3.73	-0.09	
34	Grass	<i>Stipa sp.</i>	5	10	12.80	50	6.4	2.44	1.63	13.18	17.25	0.0162767	-4.12	-0.07	
35	Sedge	<i>Carex baccans</i>	6	10	11.17	60	6.7	2.93	1.70	1.18	5.81	0.0170397	-4.07	-0.07	
36	Grass	<i>Panicum palmifolium</i>	6	10	17.67	60	10.6	2.93	2.70	1.10	6.73	0.0269583	-3.61	-0.10	
37	Grass	<i>Cynodon dactylon</i>	8	10	20.75	80	16.6	3.90	4.22	0.19	8.31	0.0422177	-3.16	-0.13	
38	Grass	<i>Pogonatherum paniceum</i>	7	10	26.29	70	18.4	3.41	4.68	2.60	10.69	0.0467955	-3.06	-0.14	
39	Sedge	<i>Frimbristylis sp.</i>	8	10	26.13	80	20.9	3.90	5.32	0.11	9.33	0.0531536	-2.93	-0.16	
40	Grass	<i>Chrysopogon aciculatus</i>	9	10	30.44	90	27.4	4.39	6.97	0.31	11.67	0.0696846	-2.66	-0.19	
41	Grass	<i>Imperata cylindrica</i>	8	10	31.63	80	25.3	3.90	6.43	2.48	12.82	0.0643438	-2.74	-0.18	
					696.11	2050.00	393.20								-3.34

1	Shrub	<i>Rubus moluccanus</i>	5	10	3.40	50	1.7	3.40	1.28	0.16	4.84	0.0128012	-4.36	-0.06	2.99
2	Shrub	<i>Clerodendrum colebrookeanum</i>	6	10	4.67	60	2.8	4.08	2.11	0.61	6.80	0.0210843	-3.86	-0.08	
3	Shrub	<i>Colebrookea sp</i>	5	10	11.00	50	5.5	3.40	4.14	1.42	8.96	0.0414157	-3.18	-0.13	
4	Shrub	<i>Polygonum chinense</i>	8	10	10.38	80	8.3	5.44	6.25	31.51	43.20	0.0625	-2.77	-0.17	
5	Shrub	<i>Rubus lucens</i>	8	10	13.25	80	10.6	5.44	7.98	3.62	17.05	0.0798193	-2.53	-0.20	
6	Shrub	<i>Medinilla himalayana</i>	7	10	13.57	70	9.5	4.76	7.15	5.52	17.44	0.0715361	-2.64	-0.19	
7	Shrub	<i>Naravelia zeylanica</i>	1	10	12.00	10	1.2	0.68	0.90	3.11	4.69	0.0090361	-4.71	-0.04	
8	Shrub	<i>Tamarix dioica</i>	4	10	5.50	40	2.2	2.72	1.66	0.23	4.61	0.0165663	-4.10	-0.07	
9	Shrub	<i>Polygonum capitatum</i>	7	10	6.43	70	4.5	4.76	3.39	0.71	8.86	0.0338855	-3.38	-0.11	
10	Shrub	<i>Solanum indicum</i>	5	10	5.40	50	2.7	3.40	2.03	0.25	5.69	0.0203313	-3.90	-0.08	
11	Shrub	<i>Polygonum microcephalum</i>	4	10	3.00	40	1.2	2.72	0.90	0.15	3.78	0.0090361	-4.71	-0.04	
12	Shrub	<i>Urtica dioica</i>	4	10	2.75	40	1.1	2.72	0.83	0.37	3.91	0.0082831	-4.79	-0.04	

