



Leucaena leucocephala



Litchi chinensis



Litsea glutinosa



Litsea monopetala



Maclura cochinchinensis



Mallotus philippensis



Mangifera indica



Millettia extensa



Mimusops elengi



BIODIVERSITY

of

Rashtrapati Niketan, Rashtrapati Tapovan, &
Rashtrapati Udyan, Rajpur Road, Dehradun

A Report by Forest Research Institute (FRI), Dehradun

Foreword by the **Secretary** to the President of India



We are honoured to present this special publication, Flora and Fauna of the President's Retreat, which marks a historic moment in the evolving engagement of Rashtrapati Bhavan with the citizens of India.

At the visionary behest of the Hon'ble President of India, three distinct estates—Rashtrapati Niketan, Rashtrapati Tapovan, and Rashtrapati Udyan—have been opened to the public. Together spanning over 170 acres, they showcase more than 300 species of plants and over 170 species of butterflies, birds, and mammals. These spaces serve as living repositories of Uttarakhand's ecological wealth.

Rashtrapati Niketan, located in the upper estate, is home to curated orchards and a heritage museum. Tapovan, with its undisturbed natural forest, serves as an ideal site for learning and introspection. Upvan, the largest among the three, is being developed as an urban biodiversity park with features like a butterfly dome, water bodies, and cycling tracks.

This compilation, meticulously put together by the Forest Research Institute, is both a scientific inventory and an invitation—to engage with, conserve, and celebrate our biodiversity. It is our hope that these estates will grow into symbols of sustainability, civic pride, and collective learning.

We invite all citizens, especially young minds, to explore these spaces and carry forward the message of harmony with nature.

New Delhi
Date : June 20, 2025


(Deepti Umashankar)

Foreword by the **Additional Secretary** to the President of India



It is with immense pleasure and a deep sense of accomplishment that we present this comprehensive document, *Flora and Fauna of the President's Retreat*. This publication is the result of a dedicated effort to catalogue the rich natural heritage nestled within the Presidential Estates at Dehradun, undertaken as part of the guiding vision of the Hon'ble President of India to open these serene landscapes to the public.

This publication is a testament to a remarkable collaboration. It embodies the synergy between the President's Secretariat and the scientific expertise of the Forest Research Institute (FRI), Dehradun. Over the course of a month, the dedicated team from FRI undertook rigorous fieldwork—researching, identifying, and documenting the biodiversity across the estates. We gratefully acknowledge the immense hard work and commitment they have invested in this project. Their efforts not only brought scientific depth and accuracy to this initiative but also played a crucial role in making this ecological knowledge accessible to the public in an engaging and meaningful way.

The meticulous documentation and interpretation carried out by the teams on the ground have been foundational to this project. We extend our deepest gratitude for their tireless efforts, which have transformed a visionary idea into a tangible and valuable resource for all.

Beyond the sheer beauty captured in its pages, this book serves as a critical baseline—a scientific benchmark for what we hope will become a living classroom. By creating this detailed inventory of the flora and fauna of Rashtrapati Niketan, Tapovan, and Udyan, we are not only preserving a record of the present but also establishing a foundation for future conservation, research, and educational initiatives.

As these estates continue to evolve, especially with the ambitious development of Rashtrapati Udyan into a model of urban biodiversity, this inventory will serve as an invaluable guide. It will help us measure our progress and ensure that development goes hand-in-hand with ecological enrichment.

We hope this work inspires not just admiration for the natural world, but also a renewed sense of collective responsibility for its preservation. May it encourage every visitor—from the casual nature-lover to the dedicated researcher—to become a partner in stewarding these national treasures for the generations to come.

New Delhi

Date : June 20, 2025

A blue ink signature of Dr. Rakesh Gupta, consisting of a stylized 'R' followed by a horizontal line and a small upward tick.

(Dr. Rakesh Gupta)



Index

S. No.	Content	Page no.
1.	Foreword by the Secretary to the President of India	I
2.	Foreword by the Additional Secretary to the President of India	II
3.	Acknowledgements	III
4.	Introduction	1-2
5.	Part 1: Biodiversity of the Rashtrapati Tapovan A. Flora B. Fauna	3-31 6-22 23-31
6.	Part 2: Biodiversity of the Rashtrapati Niketan (21 Acres), Rajpur Road, Dehradun A. Flora B. Fauna	32-69 35-63 64-69
7.	Part 3: Biodiversity of the Rashtrapati Udyan (132 Acres), Rajpur Road, Dehradun A. Flora B. Fauna	70-111 73-101 102-111



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- **Fauna:** Dr. Arun Pratap Singh, Scientist–G & Head, Forest Protection Division

INTRODUCTION

Located along the verdant stretch of Rajpur Road in Dehradun, the Presidential Estate spans 170 acres and comprises three distinct zones—Rashtrapati Niketan (21 acres), Rashtrapati Tapovan (19.06 acres), and Rashtrapati Udyan (132 acres). These landscapes, historically associated with the President's Bodyguard, have evolved into spaces that honour the ideals of ecological preservation, cultural heritage, and citizen engagement.

Rashtrapati Niketan, a heritage estate established as a summer retreat in the mid-20th century, is adorned with orchards of litchi and mango, and hosts a curated collection of diverse flora and fauna. Rashtrapati Tapovan, nestled amid well-preserved natural vegetation and old bamboo groves, offers a tranquil forest environment rich in native biodiversity. Rashtrapati Udyan, the largest among the three, features both cultivated lands and wooded nullahs, supporting thriving ecosystems of native trees and vegetation.



[Rashtrapati Tapovan (19.06 Acres-Green area), Rashtrapati Udyan(132 Acres – Red area) and Presidents Niketan (21 Acres- White area)]

Aerial view of the Presidents Retreat, Rajpur Road, Dehradun



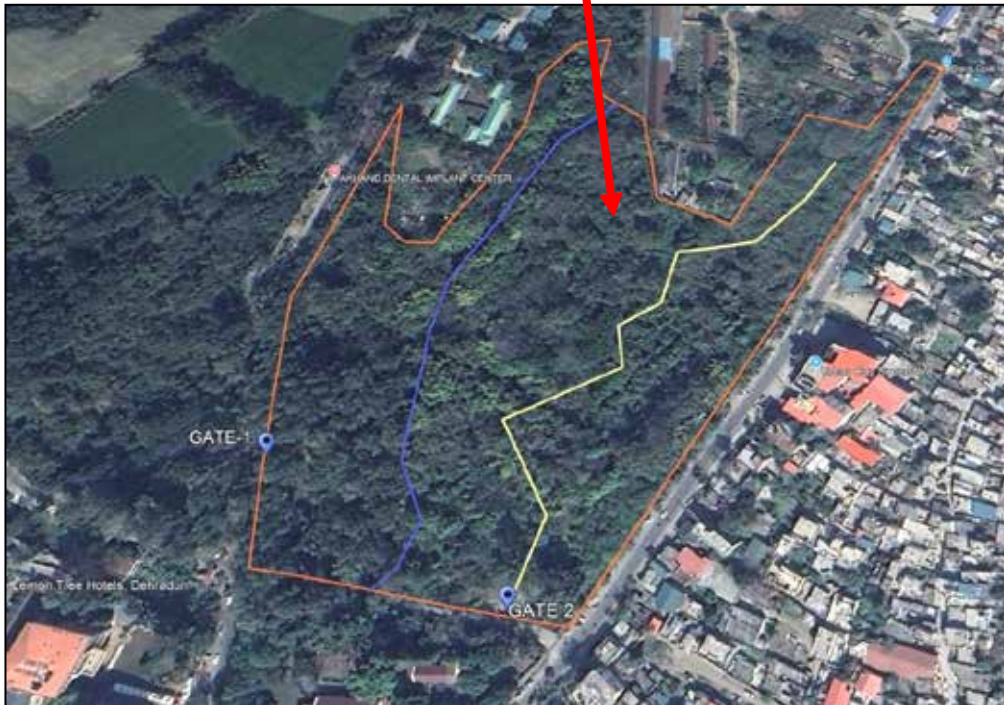
In keeping with the Hon'ble President of India's vision for environmental stewardship and public accessibility, the Rashtrapati Udyan is being developed as India's first self-sustaining, Net-Zero public park. Designed to serve as a vibrant civic and ecological hub, it will feature more than 50 attractions, including a butterfly dome, Miyawaki forests, an amphitheatre, walking and cycling tracks, a public library, and infrastructure accessible to persons with disabilities.

This publication presents a comprehensive record of the estate's rich biodiversity, based on field surveys conducted by the Forest Research Institute during the Spring and Pre-Monsoon seasons of 2023. Across the estate, 302 plant species belonging to 248 genera and 80 families have been documented, alongside 75 species of butterflies, 91 species of birds, and 8 species of wild mammals. The report is structured in three parts—detailing the biodiversity of Tapovan, Niketan, and Udyan respectively—each highlighting the distinct ecological character of these landscapes.





PART 1: BIODIVERSITY OF THE RASHTRAPATI TAPOVAN



Aerial view of the Rashtrapati Niketan, Tapovan Forest (19.06 Acres),
Rajpur Road, Dehradun, Uttarakhand



Wildlife habitat with native and planted vegetation in the
Rashtrapati Niketan, Tapovan Forest, Dehradun

A. Flora

The floral parts of the Tapovan contain 117 plant species belonging to 106 genera and 41 families under different habit types (Tree: 38, Shrub: 22, Climber: 24 and Herb: 33) including natural as well planted species.

Table.1: Plants of Rashtrapati Tapovan

S. No.	Species Name	Family	Habit	Common Name	Uses
1.	<i>Abrus pulchellus</i>	Fabaceae	Climber	Showy Rosary Pea, Gaunchi	Medicinal Climber
2.	<i>Achyranthes aspera</i>	Amaranthaceae	Shrub	Prickly Chaff Flower, Apamarga, Chirchira,	Medicinal Plant
3.	<i>Acmella oleracea</i>	Asteraceae	Herb	Toothache Plant, Akarkar	Toothache plant; Hindi: Akarkar
4.	<i>Aegle marmelos</i>	Rutaceae	Tree	Bel, Stone Apple	Edible Fruit
5.	<i>Aerva sanguinolenta</i>	Amaranthaceae	Shrub	Climbing Wool-Plant	
6.	<i>Ageratum conyzoides</i>	Asteraceae	Herb	Goat weed	Invasive Plant
7.	<i>Albizia procera</i>	Fabaceae	Tree	White Siris, Safed Siris	Timber Tree
8.	<i>Alternanthera sessilis</i>	Amaranthaceae	Herb	Stalkless Joyweed	Invasive
9.	<i>Argyreia nervosa</i>	Convolvulaceae	Climber	Elephant Creeper Family	Ornamental Climber
10.	<i>Artemisia nilagirica</i>	Asteraceae	Shrub	Nilgiri Wormwood , Nagdona, -	Medicinal Plant
11.	<i>Artemisia vulgaris</i>	Asteraceae	Herb	Mugwort	Medicinal
12.	<i>Artocarpus lacucha</i>	Moraceae	Tree	Lakoocha, Monkey Jack, Barhal	Wild Edible Fruit
13.	<i>Asparagus adscendens</i>	Asparagaceae	Climbing shrub	West-Himalayan Asparagus, Safed musli	Medicinal Plant
14.	<i>Bambusa tulda,</i>	Poaceae	Herb (Bamboo)	Indian timber bamboo	Extensively used in paper pulp industry
15.	<i>Bambusa vulgaris var. striata</i>	Poaceae	Herb (Bamboo)	Golden Bamboo, Striped Bamboo	
16.	<i>Bauhinia purpurea</i>	Fabaceae	Tree	Purple Orchid Tree, Purple butterfly tree, Kachnar	Ornamental Tree
17.	<i>Bergera koenigii</i>	Rutaceae	Small Tree	Kari Patta, Mithi Neem	Culinary applications
18.	<i>Bidens pilosa</i>	Asteraceae	Herb	Beggar Tick	Invasive
19.	<i>Boehmeria virgata</i> subsp. <i>macrophylla</i>	Urticaceae	Shrub	Large-Spike Ramie	-
20.	<i>Broussonetia papyrifera</i>	Moraceae	Tree	Paper Mulberry, Jangli Toot	Wild edible fruit, also used for making high-quality paper.
21.	<i>Calyptocarpus vialis</i>	Asteraceae	Herb	Straggler Daisy	Ornamental
22.	<i>Carissa spinarum</i>	Apocynaceae	Shrub	Jangali Karanunda	Wild Edible Fruit
23.	<i>Cassia fistula</i>	Fabaceae	Tree	Amaltas, Golden	Medicinal



				Shower Tree	(laxative)
24.	<i>Catunaregam spinosa</i>	Rubiaceae	Small Tree	Mountain Pomegranate, Mainphal	Medicinal Plant
25.	<i>Celastrus paniculatus</i>	Celastraceae	Climber	Black Oil Plant, Malkangani	Medicinal Climber
26.	<i>Chenopodium album</i>	Amaranthaceae	Herb	Bathua, fat hen, lamb's quarter	Used as vegetable
27.	<i>Chukrasia tabularis</i>	Meliaceae	Tree	Chittagong Wood, Indian Redwood, Chikrasi	Timber
28.	<i>Cinnamomum camphora</i>	Lauraceae	Tree	Camphor tree	Medicinal Plant, Sacred Tree
29.	<i>Cissampelos pareira</i>	Menispermaceae	Climber	Velvet Leaf, Akanadi	Medicinal Climber
30.	<i>Citrus grandis</i>	Rutaceae	Tree	Chakotara	Edible Fruit
31.	<i>Clematis gouriana</i>	Ranunculaceae	Climber	Indian Clematis, Gourian Clematis	Ornamental Climber
32.	<i>Clerodendrum infortunatum</i>	Lamiaceae	Shrub	Hill Glory Bower, Bhant	Flowers attracts to butterflies and hummingbirds as food source
33.	<i>Cocculus laurifolius</i>	Menispermaceae	Tree	Laurel- Leaved Snail Tree, Tilaphoraa	Medicinal Plant
34.	<i>Colebrookea oppositifolia</i>	Lamiaceae	Shrub	Indian Squirrel Tail, Bhirmoli	
35.	<i>Cordia dichotoma</i>	Boraginaceae	^Tree	Indian cherry, Lasora	Wild Edible Fruit
36.	<i>Cuscuta reflexa</i>	Convolvulaceae	Climber	Giant Dodder, Amar Bel	Parasite plant
37.	<i>Cyclospermum leptophyllum</i>	Apiaceae	Herb	Fir-Leaved Celery	Used as a parsley substitute.
38.	<i>Dalbergia sissoo</i>	Fabaceae	Tree	Indian Rosewood, Shisham	Timber Plant
39.	<i>Deeringia amaranthoides</i>	Amaranthaceae	Climbing shrub	Shrubby Deeringia	-
40.	<i>Desmodium gangeticum</i>	Fabaceae	Shrub	Salparni	Medicinal Plant
41.	<i>Dioscorea belophylla</i>	Dioscoreaceae	Climber	Aerial yam, Air potato	Food plant
42.	<i>Dioscorea bulbifera</i>	Dioscoreaceae	Climber	Aerial yam, Air potato	Food plant
43.	<i>Ehretia acuminata</i>	Boraginaceae	Tree	Koda Tree	-
44.	<i>Ehretia laevis</i>	Boraginaceae	Tree	Chamror	Medicinal Plant
45.	<i>Eranthemum pulchellum</i>	Acanthaceae	Shrub	Blue Sage, Gulsham,	Ornamental plant
46.	<i>Eucalyptus tereticornis</i>	Myrtaceae	Tree	Eucalyptus, Safeda	Timber
47.	<i>Ficus hispida.</i>	Moraceae	Tree	Moraceae	Edible Fruit
48.	<i>Ficus racemosa</i>	Moraceae	Tree	Pakad, Clusters Fig	Wild Edible Fruit
49.	<i>Ficus religiosa</i>	Moraceae	Tree	Peepal, holy fig tree,	Holy fig tree
50.	<i>Ficus rumphii</i>	Moraceae	Tree	Rumph's Fig	Wild Edible Fruit
51.	<i>Galinsoga parviflora</i>	Asteraceae	Herb	Small-flower Galinsoga	Invasive
52.	<i>Gnaphalium affine</i>	Asteraceae	Herb	Cotton Weed,	Invasive species
53.	<i>Gouania leptostachya</i>	Rhamnaceae	Climber	Slender Spiked Gouania	Bark used as a shampoo
54.	<i>Grewia optiva</i>	Tiliaceae	Tree	Bihul , Bheemal	Fodder Tree



55.	<i>Grewia serrulata</i>	Tiliaceae	Tree	Kaori Crossberry Bhansuli,	Fodder
56.	<i>Ichnocarpus frutescens</i>	Apocynaceae	Climber	Black Creeper, Shyamlata	Ornamental Climber
57.	<i>Ipomoea purpurea</i>	Convolvulaceae	Climber	Purple Morning Glory,	Ornamental flower
58.	<i>Ipomoea quamoclit</i>	Convolvulaceae	Climber	Cypress Vine, Star Glory, Kamlata	Ornamental Climber
59.	<i>Jasminum multiflorum</i>	Oleaceae	Climber	Indian Jasmine, Jangali Chameli	Ornamental
60.	<i>Justicia adhatoda</i>	Acanthaceae	Shrub	Vasaka	Medicinal Plant
61.	<i>Lantana camara</i>	Verbenaceae	Shrub	Lantana	Invasive species
62.	<i>Lepidagathis cuspidata</i>	Acanthaceae	Herb	Pointed-Leaf Lepidagathis	Fodder
63.	<i>Lepidagathis incurva</i>	Acanthaceae	Herb	Curved Lepidagathis	-
64.	<i>Lepidium virginicum</i>	Brassicaceae	Herb	Virginia Pepperweed	Young leaves added to salads
65.	<i>Leucaena leucocephala</i>	Fabaceae	Tree	Wild Tamarind, White Babool, Subabool	Fodder
66.	<i>Litchi chinensis</i>	Sapindaceae	Tree	Lychee	Wild Edible Fruit
67.	<i>Litsea glutinosa</i>	Lauraceae	Tree	Meda Lakadi	Aromatic tree
68.	<i>Litsea monopetala</i>	Lauraceae	Tree	Meda	Seed oil-rich and timber value
69.	<i>Maclura cochinchinensis</i>	Moraceae	Scrambling shrub	Cockspur Thorn	Edible Fruit
70.	<i>Mallotus philippensis</i>	Euphorbiaceae	Tree	Kamala Tree, Rohini, Sinduri	Dye Yielding Plant
71.	<i>Mangifera indica</i>	Anacardiaceae	Tree	Aam, Mango	Edible Fruit
72.	<i>Mazus pumilus</i>	Mazaceae	Herb	Asian Mazus	Use for landscaping purposes
73.	<i>Millettia extensa</i>	Fabaceae	Climber	Large-Leaf Pongam Creeper, Gauj, Gauju, Gonj,	Fodder
74.	<i>Mimusops elengi</i>	Sapotaceae	Tree	Maulsari	Avenue Tree
75.	<i>Morus alba</i>	Moraceae	Tree	White Mulberry, Shahtoot, White Mulberry,	Wild Edible Fruit, Silk worm plant
76.	<i>Murraya paniculata</i>	Rutaceae	Tree	Orange Jessamine, Manokaminai	Ornamental Tree
77.	<i>Oldenlandia corymbosa</i>	Rubiaceae	Herb	Herb	-
78.	<i>Oplismenus sp.</i>	Poaceae	Herb (Grass)	Basketgrass	Fodder
79.	<i>Oxalis corniculata</i>	Oxalidaceae	Herb	Creeping Wood Sorrel, Amrul	Medicinal
80.	<i>Oxalis debilis</i>	Oxalidaceae	Herb	Large-Flowered Pink Sorrel	-
81.	<i>Oxalis dehradunensis</i>	Oxalidaceae	Herb	Dehradun Wood Sorrel	-
82.	<i>Parthenium hysterophorus</i>	Asteraceae	Herb	Congress grass Gajar Ghas	Invasive
83.	<i>Passiflora suberosa</i>	Passifloraceae	Climber	Corky Passion Flower	Ornamental
84.	<i>Phlogacanthus thyrsiformis</i>	Acanthaceae	Shrub	Red Flame-Acanthus	Ornamental Climber



85.	<i>Phoenix loureiroi</i>	Arecaceae	Tree	Dwarf Date Palm, jangali Khajur	Wild Edible Fruit
86.	<i>Phyla nodiflora</i>	Verbenaceae	Herb	Frog Fruit	Fodder
87.	<i>Phyllanthus amarus</i>	Phyllanthaceae	Herb	Jangli amli, Bhui Amala	Medicinal
88.	<i>Physalis minima</i>	Solanaceae	Herb	Wild gooseberry	Wild edible fruit
89.	<i>Plantago major</i>	Plantaginaceae	Herb	Broadleaf Plantain	Medicinal
90.	<i>Plumbago zeylanica</i> ,	Plumbaginaceae	Shrub	Chitrak, Ceylon leadwort	Medicinal Plant
91.	<i>Poa annua</i>	Poaceae	Herb (Grass)	Annual Bluegrass	Fodder
92.	<i>Pogostemon benghalensis</i>	Lamiaceae	Shrub	Bengal Shrub-Mint	Aromatic Plant
93.	<i>Polygonum barbatum</i>	Polygonaceae	Herb	Water milkwort •	-
94.	<i>Pseudocaryopteris bicolor</i>	Verbenaceae	Shrub	Ban basuti, Blue Mist Shrub	Ornamental
95.	<i>Pyrus pashia</i>	Rosaceae	Tree	The wild Himalayan pear	Edible Fruit
96.	<i>Reinwardtia indica</i>	Linaceae	Climber	Yellow Flax, Pyauli	Ornamental Climber
97.	<i>Ricinus communis</i>	Euphorbiaceae	Shrub	Castor oil plant, Arandi	Medicinal
98.	<i>Rubia cordifolia</i>	Rubiaceae	Climber	Indian Madder, Majith	Medicinal Plant
99.	<i>Rubus niveus</i>	Rosaceae	Scrambling shrub	Mysore Raspberry, Kala hinsalu	Wild Edible Fruit
100.	<i>Rumex dentatus</i>	Polygonaceae	Herb	Toothed Dock	Fodder
101.	<i>Scoparia dulcis</i>	Plantaginaceae	Herb	Sweet Broom Weed, Mithi Patti	Medicinal
102.	<i>Senna siamea</i>	Fabaceae	Tree	Siamese Cassia	Avenue Tree
103.	<i>Smilax ovalifolia</i>	Smilacaceae	Climbing shrub	Large-Leaf Smilax	-
104.	<i>Solanum nigrum</i>	Solanaceae	Herb	Black nightshade	Invasive
105.	<i>Solanum erianthum</i>	Solanaceae	Shrub	Big Eggplant, Akra,	-
106.	<i>Solanum torvum</i>	Solanaceae	Shrub	Pea eggplant,	-
107.	<i>Syzygium cumini</i>	Myrtaceae	Tree	Java plum, Jamun	Edible Fruit
108.	<i>Taxillus cordifolia</i>	Loranthaceae	Parasite shrub	Heart-leaved Mistletoe	Parasite Plant
109.	<i>Thunbergia coccinea</i>	Acanthaceae	Climber	Scarlet Clock Vine	Ornamental
110.	<i>Tinospora cordifolia</i>	Menispermaceae	Climber	The heart-leaved moonseed, Giloy	Medicinal Plant
111.	<i>Toona ciliata</i>	Meliaceae	Tree	Tun, Toon	Timber species
112.	<i>Tridax procumbans</i>	Asteraceae	Herb	Tridax Daisy	Invasive
113.	<i>Urena lobata</i>	Malvaceae	Shrub	Caesarweed	-
114.	<i>Vallis solanacea</i>	Apocynaceae	Climber	Dudhi Ki Bel	Ornamental Climber
115.	<i>Ventilago denticulata</i>	Rhamnaceae	Climber	Toothed-Leaf Red Creeper, Raidhani,	-
116.	<i>Vicia sativa</i>	Fabaceae	Herb	Simply Vetch	Fodder
117.	<i>Xylosma longifolia</i>	Salicaceae	Tree	Longleaf Logwood, Dandal, Katari	-



		
1. <i>Abrus pulchellus</i>	2. <i>Achyranthes aspera</i>	3. <i>Acmella oleracea</i>
		
4. <i>Aegle marmelos</i>	5. <i>Aerva sanguinolenta</i>	6. <i>Ageratum conyzoides</i>
		
7. <i>Albizia procera</i>	8. <i>Alternanthera sessilis</i>	9. <i>Argyreia nervosa</i>



		
10. <i>Artemisia nilagirica</i>	11. <i>Artemisia vulgaris</i>	12. <i>Artocarpus lacucha</i>
		
13. <i>Asparagus adscendens</i>	14. <i>Bambusa tulda</i>	15. <i>Bambusa vulgaris</i> var. <i>striata</i>
		
16. <i>Bauhinia purpurea</i>	17. <i>Bergera koenigii</i>	18. <i>Bidens pilosa</i>



		
19. <i>Boehmeria virgata</i> subsp. <i>macrophylla</i>	20. <i>Broussonetia papyrifera</i>	21. <i>Calypocarpus vialis</i>
		
22. <i>Carissa spinarum</i>	23. <i>Cassia fistula</i>	24. <i>Catunaregam spinosa</i>
		
25. <i>Celastrus paniculatus</i>	26. <i>Chenopodium album</i>	27. <i>Chukrasia tabularis</i>



		
28. <i>Cinnamomum camphora</i>	29. <i>Cissampelos pareira</i>	30. <i>Citrus grandis</i>
		
31. <i>Clematis gouriana</i>	32. <i>Clerodendrum infortunatum</i>	33. <i>Cocculus laurifolius</i>
		
34. <i>Colebrookea oppositifolia</i>	35. <i>Cordia dichotoma</i>	36. <i>Cuscuta reflexa</i>



		
37. <i>Cyclospermum leptophyllum</i>	38. <i>Dalbergia sissoo</i>	39. <i>Deeringia amaranthoides</i>
		
40. <i>Desmodium gangeticum</i>	41. <i>Dioscorea belophylla</i>	42. <i>Dioscorea bulbifera</i>
		
43. <i>Ehretia acuminata</i>	44. <i>Ehretia laevis</i>	45. <i>Eranthemum pulchellum</i>



		
46. <i>Eucalyptus camaldulensis</i>	47. <i>Ficus hispida</i>	48. <i>Ficus racemosa</i>
		
49. <i>Ficus religiosa</i>	50. <i>Ficus rumphii</i>	51. <i>Galinsoga parviflora</i>
		
52. <i>Gnaphalium affine</i>	53. <i>Gouania leptostachya</i>	54. <i>Grewia optiva</i>



		
55. <i>Grewia serrulata</i>	56. <i>Ichnocarpus frutescens</i>	57. <i>Ipomoea purpurea</i>
		
58. <i>Ipomoea quamoclit</i>	59. <i>Jasminum multiflorum</i>	60. <i>Justicia adhatoda</i>
		
61. <i>Lantana camara</i>	62. <i>Lepidagathis cuspidata</i>	63. <i>Lepidagathis incurva</i>



		
64. <i>Lepidium virginicum</i>	65. <i>Leucaena leucocephala</i>	66. <i>Litchi chinensis</i>
		
67. <i>Litsea glutinosa</i>	68. <i>Litsea monopetala</i>	69. <i>Maclura cochinchinensis</i>
		
70. <i>Mallotus philippensis</i>	71. <i>Mangifera indica</i>	72. <i>Mazus pumilus</i>



		
73. <i>Millettia extensa</i>	74. <i>Mimusops elengi</i>	75. <i>Morus alba</i>
		
76. <i>Murraya paniculata</i>	77. <i>Oldenlandia corymbosa</i>	78. <i>Oplismenus sp.</i>
		
79. <i>Oxalis corniculata</i>	80. <i>Oxalis debilis</i>	81. <i>Oxalis dehradunensis</i>



		
82. <i>Parthenium hysterophorus</i>	83. <i>Passiflora suberosa</i>	84. <i>Phlogacanthus thyrsoformis</i>
		
85. <i>Phoenix loureiroi</i>	86. <i>Phyla nodiflora</i>	87. <i>Phyllanthus amarus</i>
		
88. <i>Physalis minima</i>	89. <i>Plantago major</i>	90. <i>Plumbago zeylanica</i>



		
91. <i>Poa annua</i>	92. <i>Pogostemon benghalensis</i>	93. <i>Polygonum barbatum</i>
		
94. <i>Pseudocaryopteris bicolor</i>	95. <i>Pyrus pashia</i>	96. <i>Reinwardtia indica</i>
		
97. <i>Ricinus communis</i>	98. <i>Rubia cordifolia</i>	99. <i>Rubus niveus</i>



		
100. <i>Rumex dentatus</i>	101. <i>Scoparia dulcis</i>	102. <i>Senna siamea</i>
		
103. <i>Smilax ovalifolia</i>	104. <i>Solanum nigrum</i>	105. <i>Solanum erianthum</i>
		
106. <i>Solanum torvum</i>	107. <i>Syzygium cumini</i>	108. <i>Taxillus cordifolia</i>



		
109. <i>Thunbergia coccinea</i>	110. <i>Tinospora cordifolia</i>	111. <i>Toona ciliata</i>
		
112. <i>Tridax procumbens</i>	113. <i>Urena lobata</i>	114. <i>Vallaris solanacea</i>
		
115. <i>Ventilago denticulata</i>	116. <i>Vicia sativa</i>	117. <i>Xylosma longifolia</i>

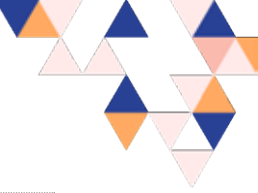


B. Fauna

1. Butterflies (Lepidoptera: Rhopalocera): 52 species

Table.2 : List of Butterflies found at the President's Retreat, Tapovan Forest, Dehradun in Spring season (March-April 2025)

S. No	Family/Butterfly Species	Scientific Name	Status
A	Papilionidae		
1	Common Bluebottle	<i>Graphium Sarpedon sarpedon</i> (Linnaeus, 1758)	Uncommon
2	Common Jay	<i>Graphium doson axionides</i> (Page & Treadaway, 2014)	Uncommon
3	Common Mime	<i>Papilio clytia clytia</i> Linnaeus, 1758	Uncommon
4	Common Mormon	<i>Papilio polytes</i> Linnaeus, 1758	Very Common
5	Tailed Jay	<i>Graphium agamemnon agamemnon</i> (Linnaeus, 1758)	Uncommon
B	Pieridae		
6	Common Grass Yellow	<i>Eurema hecabe</i> (Linnaeus, 1758)	Very Common
7	Small Grass Yellow	<i>Eurema brigitta rubella</i> (Wallace, 1867)	Common
8	Spotless Grass Yellow	<i>Eurema laeta laeta</i> (Boisduval, 1836)	Common
9	Common Gull*	<i>Cepor anerissa phryne</i> (Fabricius, 1775)	Fairly Common
10	Hill Jezebel*	<i>Delias belladonna horsfieldi</i> (Gray, 1831)	Fairly Common
11	Indian Cabbage White	<i>Pieris canidia indica</i> Evans, 1926	Common
12	Large Cabbage White*	<i>Pieris brassicae nepalensis</i> Gray, 1846	Common
13	Indian Wanderer*	<i>Pareronia hippia</i> (Fabricius, 1787)	Fairly Common
14	Large Cabbage White	<i>Pieris brassicae nepalensis</i> Gray, 1846	Common
15	Lemon Emigrant	<i>Catopsilia pomona pomona</i> (Fabricius, 1775)	Very Common
16	Psyche	<i>Leptosia nina</i> (Fabricius, 1793)	Common



C	Lycaenidae		
17	Pale Grass Blue	<i>Pseudozizeeria maha maha</i> (Kollar, [1844])	Fairly Common
18	Yamfly	<i>Loxura atymnus</i> (Stoll, 1780)	Uncommon
D	Nymphalidae		
19	Common Evening Brown	<i>Melanitis leda leda</i> (Linnaeus, 1758)	Uncommon
20	Common Bushbrown	<i>Mycalesis perseus blasius</i> Fabricius, 1798	Fairly Common
21	Bamboo Treebrown*	<i>Lethe euopanila dana</i> Fruhstorfer, 1911	Fairly Common
22	Common Treebrown*	<i>Lethe rohria rohria</i> (Fabricius, 1787)	Uncommon
23	Common Five-ring*	<i>Ypthima baldus baldus</i> (Fabricius, 1775)	Uncommon
24	Common Four-ring	<i>Ypthima huebneri</i> Kirby, 1871	Very Common
25	Clear Sailer	<i>Neptis nata</i> Moore, [1858]	
26	Common Palmfly*	<i>Elymnias hypermnestra undularis</i> (Drury, 1773)	Uncommon
27	Common Castor*	<i>Ariadne merione tapestrina</i> (Moore, 1884)	Uncommon
28	Common Jester	<i>Symbrenthia lilaia khasiana</i> Moore, [1875]	Fairly Common
29	Common Lascar	<i>Pantoporia hordonia hordonia</i> (Stoll, [1790])	Common
30	Common Sailer*	<i>Neptis hylas varmona</i> Moore, 1872	Very Common
31	Creamy Sailer	<i>Neptis soma</i> Moore, 1858	Uncommon
32	Indian Red Admiral	<i>Vanessa indica indica</i> (Herbst, 1794)	Common
33	Indian Tortoiseshell	<i>Aglaisca schmirensis aesis</i> (Fruhstorfer, 1912)	Common
34	Great Eggfly*	<i>Hypolimnas bolina jacintha</i> (Drury, 1773)	Very Common
35	Chocolate Pansy*	<i>Junonia iphita iphita</i> (Cramer, [1779])	Very Common
36	Lemon Pansy*	<i>Junonia lemonias lemonias</i> (Linnaeus, 1758)	Uncommon
37	Map Butterfly	<i>Cyrestis thyodamas ganescha</i> Kollar, 1848	Uncommon
38	Orange Oakleaf*	<i>Kallima inachu sinachus</i> (Doyère, [1840])	Common



39	Rustic	<i>Cupha erymanthis lotis</i> (Sulzer, 1776)	Fairly Common
40	Plain Tiger*	<i>Danaus chrysippus chrysippus</i> (Linnaeus, 1758)	Common
41	Striped Blue Crow	<i>Euploea mulciber mulciber</i> (Cramer, [1777])	Fairly Common
42	Dark Blue Tiger	<i>Tirumala septentrionis septentrionis</i> (Butler, 1874)	Fairly Common
43	Glassy Tiger*	<i>Parantica aglea melanoides</i> Moore, 1883	Common
44	Indian Common Crow	<i>Euploea core core</i> (Cramer, [1780])	Common
45	Striped Tiger	<i>Danaus genutia genutia</i> (Cramer, [1779])	Fairly Common
46	Tawny Coster*	<i>Acraea terpsicore</i> (Linnaeus, 1758)	Very Common
E	Hesperiidae		
47	Common Branded Redeye	<i>Matapa aria</i> (Moore, [1866])	Common
48	Common Small Flat*	<i>Sarangesa dasahara dasahara</i> (Moore, [1866])	Very Common
49	Restricted Demon	<i>Notocrypta curvifascia curvifascia</i> (C. & R. Felder, 1862)	Uncommon
50	Spotted Small Flat	<i>Sarangesa purendra purendra</i> Moore, 1882	Very Common
51	Water Snow Flat	<i>Tagiades litigiosa</i> Möschler, 1878	Fairly Common
52	Yellow-spot Swift	<i>Polytremis eltola eltola</i> (Hewitson, 1869)	Uncommon

*Photograph



1.Butterflies- Table-2



9.Common Gull



10. Hill Jezebel



12. Large Cabbage White



13. Indian Wanderer



17. Pale Grass Blue



21. Bamboo Treebrown



22.Common Treebrown



23. Common Five Ring



26. Common Palmfly



27. Common Castor



30. Common Sailer



34. Great Eggfly



35. Chocolate Pansy



36. Lemon Pansy



38. Orange Oak leaf



38. Orange Oak leaf



40. Plain Tiger



43. Glassy Tiger



46. Tawny Coster



48. Common Small Flat



2. Birds (Aves): 41 species

Table. 3: List of Birds recorded in the Presidents Retreat, Tapovan forest (Spring season)

S. no.	Common Name	Scientific Name	Status
1	Alexandrine Parakeet	<i>Psittacula eupatria</i>	Resident
2	Black Drongo	<i>Dicrurus macrocercus</i>	Resident
3	Asian Koel	<i>Eudynamys scolopaceus</i>	Summer Migrant
4	Black Kite	<i>Milvus migrans</i>	Resident
5	Black-chinned Babbler	<i>Cyanoderma pyrrhops</i>	Resident
6	Black-headed Cuckoo Shrike	<i>Lalage melanoptera</i>	Summer Migrant
7	Blue-throated Barbet	<i>Psilopogon asiaticus</i>	Resident
8	Changeable Hawk Eagle	<i>Nisaetus cirrhatus</i>	Resident
9	Common Rosefinch	<i>Carpodacus erythrinus</i>	Winter Migrant
10	Coppersmith Barbet	<i>Psilopogon haemacephalus</i>	Resident
11	Crimson Sunbird	<i>Aethopyga siparaja</i>	Resident
12	Emerald Dove	<i>Chalcophaps indica</i>	Resident
13	Great Tit	<i>Parus major</i>	Resident
14	Grey Treepie*	<i>Dendrocitta formosae</i>	Resident Migrant
15	Grey-breasted Prinia	<i>Prinia hodgsonii</i>	Resident
16	Grey-headed Canary Flycatcher	<i>Culicicapa ceylonensis</i>	Winter Migrant
17	Grey-hooded Warbler	<i>Phylloscopus xanthoschistos</i>	Winter Migrant
18	Himalayan Bulbul	<i>Pycnonotus leucogenys</i>	Resident
19	House Crow	<i>Corvus splendens</i>	Resident
20	Hume's Warbler	<i>Phylloscopus humei</i>	Winter Migrant
21	Indian Grey Hornbill*	<i>Ocyrceros birostris</i>	Resident
22	Indian White Eye	<i>Zosterops palpebrosus</i>	Resident
23	Jungle Babbler	<i>Turdoides striata</i>	Resident
24	Jungle Owlet*	<i>Glaucidium radiatum</i>	Resident



25	Olive-backed Tree Pipit	<i>Anthus hodgsoni</i>	Winter Migrant
26	Indian Tailorbird	<i>Orthotomus sutorius</i>	Resident
27	Plum-headed Parakeet	<i>Psittacula cyanocephala</i>	Resident
28	Puff -throated Babbler	<i>Pellorneum ruficeps</i>	Resident
29	Purple Sunbird	<i>Cinnyris asiaticus</i>	Summer Migrant
30	Red Junglefowl	<i>Gallus gallus</i>	Resident
31	Red -vented Bulbul	<i>Pycnonotus cafer</i>	Resident
32	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	Resident
33	Red-billed Leiothrix	<i>Leiothrix lutea</i>	Resident
34	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Resident
35	Rose-ringed Parakeet	<i>Psittacula krameri</i>	Resident
36	Rufous-chinned Laughing Thrush	<i>Ianthocincla rufogularis</i>	Resident
37	Spangled Drongo*	<i>Dicrurus bracteatus</i>	Resident
38	Thick-billed Flowerpecker	<i>Dicaeum agile</i>	Resident
39	Whistler's Warbler	<i>Phylloscopus whistleri</i>	Winter Migrant
40	White-throated Fantail	<i>Rhipidura albicollis</i>	Resident
41	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	Summer Migrant

*Photograph



2.Birds: Table 3



14. Grey Treepie



21. Indian Grey Hornbill



24. Jungle Owlet



37. Spangled Drongo

3. Mammals (Mammalia): 7 species

Table. 4 : List of Wild Mammals recorded in the President's Retreat, Tapovan forest, Rajpur Road, Dehradun (Spring season)

S.no.	Common Name	Scientific Name	Family	Status
A. Current Sightings (March-April 2025)				
1	Golden Jackal*	<i>Canis aureus</i>	Canidae	Resident
2	Five-striped Palm Squirrel	<i>Funambulus pennantii</i>	Sciuridae	Resident
3	Wild Boar	<i>Sus scrofa</i>	Suidae	Resident
4	Rhesus Macaque	<i>Macaca mulatta</i>	Cercopithecidae	Resident
5	Indian Grey Mongoose	<i>Urva edwardsii</i>	Herpestidae	Resident
B. Other previous records from the Tapovan				
6	Indian Crested Porcupine	<i>Hystrix indica</i>	Hystriidae	Resident
7	Indian Leopard	<i>Panthera pardus</i>	Felidae	Winter

*Photograph

Mammals: Table:4



1. Golden Jackal



PART 2: BIODIVERSITY

OF THE RASHTRAPATI NIKETAN (21 ACRES), RAJPUR ROAD, DEHRADUN





**Aerial view of the Presidents Retreat (21 Acres),
Rajpur Road, Dehradun, Uttarakhand**



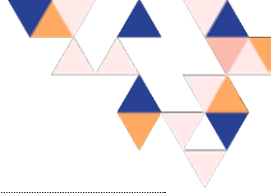
Vegetation/Orchards in the President's Retreat, Dehradun

A. Flora

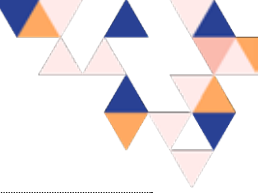
The flora of the President's Niketan contains 192 plant species belonging 162 genera and 69 families under different habit types (Tree: 64, Shrub: 53, Climber: 23 and Herb: 52) including natural as well planted species.

Table.5: List of plants found at the President's Niketan (21 Acres) (Summer Pre-Monsoon season: May 2025)

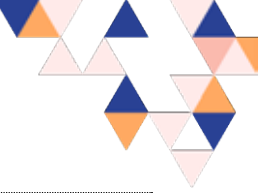
Sl. No.	Species Name	Family	Habit	Common Name	Uses
1.	<i>Abrus pulchellus</i>	Fabaceae	Climber	Showy Rosary Pea, Gaunchi	Medicinal Climber
2.	<i>Acacia auriculiformis</i>	Fabaceae	Tree	Earleaf Acacia	Ornamental Tree
3.	<i>Acalypha hispida</i>	Euphorbiaceae	Shrub	Cat's tail, Red Hot Cat Tail	Ornamental Bush
4.	<i>Acalypha wilkesiana</i>	Euphorbiaceae	Shrub	Copperleaf, Joseph's Coat	Ornamental Bush
5.	<i>Achyranthes aspera</i>	Amaranthaceae	Shrub	Prickly Chaff Flower, Apamarga, Chirchira,	Medicinal Plant
6.	<i>Adenium obesum</i>	Apocynaceae	Shrub	Desert Rose	Ornamental
7.	<i>Aerides multiflora</i>	Orchidaceae	Herb (Orchid)	Many Flowered Fox Brush Orchid	Ornamental
8.	<i>Aerva sanguinolenta</i>	Amaranthaceae	Shrub	Climbing Wool-Plant	-
9.	<i>Aesculus assamica</i>	Sapindaceae	Tree	Assam Horse Chestnut	Ornamental
10.	<i>Agathis robusta</i>	Araucariaceae	Tree	Queensland kauri Pine	Avenue Tree, Timber
11.	<i>Agave cantula</i>	Agavaceae	Shrub	Rambaans	Fiber yielding plant
12.	<i>Ageratum conyzoides</i>	Asteraceae	Herb	Goat weed	Invasive Plant
13.	<i>Albizia lebbeck</i>	Fabaceae	Tree	Woman's Tongue, Siris	Timber
14.	<i>Albizia lucida</i>	Fabaceae	Tree	Potka Siris	Timber
15.	<i>Aloe vera</i>	Asphodelaceae	Shrub	Ghratkumari	Medicinal
16.	<i>Alternanthera bettzickiana</i>	Amaranthaceae	Herb	Calico Plant	Ornamental
17.	<i>Alternanthera brasiliana</i>	Amaranthaceae	Herb	Purple Joyweed, Brazilian Joyweed	Ornamental
18.	<i>Alpinia zerumbet 'variegata'</i>	Zingiberaceae	Herb	Variegated Shell Ginger	Ornamental
19.	<i>Alternanthera philoxeroides</i>	Amaranthaceae	Herb	Alligator Weed	Invasive
20.	<i>Alternanthera sessilis</i>	Amaranthaceae	Herb	Stalkless Joyweed	Invasive
21.	<i>Amaranthus viridis</i>	Amaranthaceae	Herb	Green Amaranth, Jungli Chaulayi	
22.	<i>Araucaria columnaris</i>	Araucariaceae	Tree	Christmas Tree, Cook-pine,	Ornamental



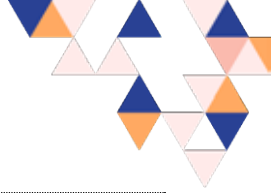
23.	<i>Argyreia nervosa</i>	Convolvulaceae	Climber	Elephant Creeper Family:	Ornamental Climber
24.	<i>Arisaema tortuosum</i>	Araceae	Herb	Cobra Lily	Ornamental
25.	<i>Artemisia nilagirica</i>	Asteraceae	Shrub	Nilgiri Wormwood , Nagdonga, -	Medicinal Plant
26.	<i>Artemisia vulgaris</i>	Asteraceae	Herb	Mugwort	Medicinal
27.	<i>Artocarpus heterophyllus</i>	Moraceae	Tree	Jackfruit	Edible Fruit Tree
28.	<i>Artocarpus lacucha</i>	Moraceae	Tree	Lakoocha, Monkey Jack, Barhal	Wild Edible Fruit
29.	<i>Asparagus densiflorus</i>	Asparagaceae	Shrub	Asparagus Fern	Ornamental
30.	<i>Bambusa bambos</i>	Poaceae	Herb (Bamboo)	Indian Thorny Bamboo, Kanta Baans	Multipurpose, Bio-fencing
31.	<i>Bambusa multiplex</i>	Poaceae	Herb (Bamboo)	Hedge Bamboo	For Hedge Bamboo
32.	<i>Bambusa vulgaris var. striata</i>	Poaceae	Herb (Bamboo)	Yellow Bamboo, Golden Bamboo	Ornamental, Bamboo
33.	<i>Bergera koenigii</i>	Rutaceae	Small Tree	Kari Patta, Mithi Neem	Culinary applications for its aromatic flavor
34.	<i>Bidens pilosa</i>	Asteraceae	Herb	Beggar Tick	Invasive
35.	<i>Bismarckia nobilis</i>	Arecaceae	Tree	Bismarck Palm	Ornamental Palm
36.	<i>Boehmeria virgata subsp. macrophylla</i>	Urticaceae	Shrub	False Nettle, Large- Spike Ramie	Fiber
37.	<i>Bothriochloa sp.</i>	Poaceae	Herb (Grass)	Beardgrass	Erosion control and mine reclamation
38.	<i>Bougainvillea glabra</i>	Nyctaginaceae	Shrub	Bougainvillea	Ornamental
39.	<i>Broussonetia papyrifera</i>	Moraceae	Tree	Paper Mulberry, Jangli Toot	Wild edible fruit, also used for making high-quality paper.
40.	<i>Callistemon viminalis</i>	Myrtaceae	Tree	Bottlebrush	Ornamental
41.	<i>Calypocarpus vialis</i>	Asteraceae	Herb	Straggler Daisy	Ornamental
42.	<i>Camellia japonica</i>	Theaceae	Shrub	Camellia, Japanese Camellia	Ornamental
43.	<i>Canna indica</i>	Cannaceae	Herb	Indian Shot,	Use for landscaping purposes
44.	<i>Capparis zeylanica</i>	Capparaceae	Climbing shrub	Ceylon Caper, Indian Caper	



45.	<i>Cascabela thevetia</i>	Apocynaceae	Shrub	Yellow Oleander, Peeli Kaner	Asthma Weed, Bara dudhi
46.	<i>Casuarina equisetifolia</i>	Casuarinaceae	Tree	Jhu, Casuarina	Timber
47.	<i>Cassia biflora</i>	Fabaceae	Shrub	Twin-flowered senna	Ornamental
48.	<i>Cassia fistula</i>	Fabaceae	Tree	Amaltas, Golden Shower Tree	Medicinal (laxative)
49.	<i>Celastrus paniculatus</i>	Celastraceae	Climber	Black Oil Plant, Malkangani	Medicinal Climber
50.	<i>Cerbera manghas</i>	Apocynaceae	Shrub	Sea Mango	Ornamental
51.	<i>Chamaedorea elegans</i>	Arecaceae	Shrub	Parlor Palm	Ornamental Palm
52.	<i>Chenopodium album</i>	Amaranthaceae	Herb	Bathua, fat hen, lamb's quarter	Used as vegetable
53.	<i>Chlorophytum comosum</i>	Asparagaceae	Herb	Spider plant, Airplane Plant	Ornamental as carpet
54.	<i>Chukrasia tabularis</i>	Meliaceae	Tree	Chittagong wood, Chukrasi	Timber, Avenue Tree
55.	<i>Cissampelos pareira</i>	Menispermaceae	Climber	Velvet Leaf, Akanadi	Medicinal Climber
56.	<i>Celtis tetrandra</i>	Ulmaceae	Tree	Eastern Nettle Tree, Khirk	Fodder
57.	<i>Citrus grandis</i>	Rutaceae	Tree	Chakotara	Edible Fruit
58.	<i>Clematis gouriana</i>	Ranunculaceae	Climber	Indian Clematis, Gourian Clematis	Ornamental Climber
59.	<i>Clerodendrum infortunatum</i>	Lamiaceae	Shrub	Hill Glory Bower, Bhant	Flowers attracts to butterflies and hummingbirds
60.	<i>Cocculus laurifolius</i>	Menispermaceae	Tree	Laurel- Leaved Snail Tree, Tilaphoraa	Medicinal Plant
61.	<i>Codiaeum variegatum</i>	Euphorbiaceae	Shrub	Fire Croton, Variegated Croton	Ornamental
62.	<i>Colocasia esculenta</i>	Araceae	Herb	Arabi, Ghuyan	Edible
63.	<i>Conocarpus lancifolius</i>	Combretaceae	Tree	Lanceleaf Buttonwood	Ornamental
64.	<i>Cordyline fruticosa</i>	Asparagaceae	Shrub	Ti Plant, Good Luck Plant	Ornamental
65.	<i>Coronopus didymus</i>	Brassicaceae	Herb	Lesser swine-cress	-
66.	<i>Crinum asiaticum</i>	Amaryllidaceae,	Herb	Grand crinum Lily, Poison Bulb	Ornamental
67.	<i>Cryptolepis buchananii</i>	Apocynaceae	Climber	Wax Leaved Climber, Kala Bel	Medicinal
68.	<i>Cuphea hyssopifolia</i>	Lythraceae	Shrub	Mexican heather	Ornamental
69.	<i>Cycas circinalis</i>	Cycadaceae	Tree	Queen Sago	Ornamental
70.	<i>Cyclospermum leptophyllum</i>	Apiaceae	Herb	Fir-Leaved Celery	Used as a parsley
71.	<i>Cynodon dactylon</i>	Poaceae	Herb (Grass)	Common Lawn Grass, Doob	Lawn Grass, Sacred



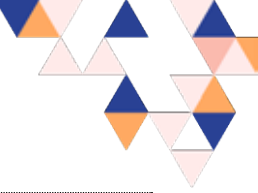
72.	<i>Dalbergia sissoo</i>	Fabaceae	Tree	Indian rosewood, Shisham	Timber
73.	<i>Delonix regia</i>	Fabaceae	Tree	Flame Tree, Gulmohar	Ornamental
74.	<i>Dendrocalamus membranaceus</i>	Poaceae	Herb (Bamboo)	Waya Bamboo	Construction, Pulp and paper .
75.	<i>Dendrophthoe falcata</i>	Loranthaceae	Shrub (Parasite)	Honey Suckle Mistletoe	Parasite
76.	<i>Dicliptera chinensis</i>	Acanthaceae	Herb	Chinese Foldwing	As a food ingredient.
77.	<i>Dioscorea bulbifera</i>	Dioscoreaceae	Climber	Aerial yam, Air potato	Edible
78.	<i>Dolichandra unguis-cati</i>	Bignoniaceae	Climber	Cat's claw creeper	Ornamental
79.	<i>Dracaena reflexa</i>	Asparagaceae	Shrub	Song of India	Ornamental
80.	<i>Duranta erecta</i>	Verbenaceae	Shrub	Sky flower, Golden Dew Drop	Ornamental
81.	<i>Dyopsis lutescens</i>	Arecaceae	Tree	Bamboo palm Areca Palm	Ornamental
82.	<i>Erythrina variegata</i>	Fabaceae	Tree	Indian coral tree	Ornamental Tree
83.	<i>Eucalyptus camaldulensis.</i>	Myrtaceae	Tree	The River Red gum	Timber
84.	<i>Eupatorium adenophorum</i>	Asteraceae	Herb	Mexican devil, Kala Bansa	Invasive
85.	<i>Euphorbia hirta</i>	Euphorbiaceae	Herb	Asthma Weed, Bara Dudhi	Medicinal
86.	<i>Euphorbia milii</i>	Euphorbiaceae	Shrub	The Crown-of-Thorns	Ornamental
87.	<i>Ficus benghalensis</i>	Moraceae	Tree	Banyan Tree, Bargad	Sacred, Wild edible fruit
88.	<i>Ficus benjamina</i>	Moraceae	Tree	Weeping fig	Ornamental/ Wild edible fruit
89.	<i>Ficus hispida</i>	Moraceae	Tree	Moraceae	Wild edible fruit
90.	<i>Ficus microcarpa</i>	Moraceae	Tree	Laurel Fig	Wild Edible Fruit
91.	<i>Ficus racemosa</i>	Moraceae	Tree	Pakad, Clusters Fig	Wild Edible Fruit
92.	<i>Ficus religiosa</i>	Moraceae	Tree	Peepal, holy fig tree,	Sacred Tree/ / Wild Edible Fruit
93.	<i>Ficus rumphii</i>	Moraceae	Tree	Rumph's Fig	Wild Edible Fruit
94.	<i>Ficus tinctoria subsp. gibbosa</i>	Moraceae	Climber	Dye Fig, Humped Fig	Wild Edible Fruit
95.	<i>Flindersia australis</i>	Rutaceae	Tree	Crows Ash, Australian Teak	Timber, Avenue Tree
96.	<i>Furcraea foetida</i>	Asparagaceae	Shrub	Mauritius hemp	Fiber yielding plant
97.	<i>Galphimia glauca</i>	Malpighiaceae	Shrub	Golden Showers	Ornamental



98.	<i>Gardenia jasminoides</i>	Rubiaceae	Shrub	Cape jasmine, Gandhraj	Ornamental
99.	<i>Gouania leptostachya</i>	Rhamnaceae	Climber	Slender Spiked Gouania	Bark used as a shampoo
100.	<i>Grevillea robusta</i>	Proteaceae	Tree	Silver Oak	Tree, Avenue Tree
101.	<i>Grewia serrulata</i>	Tiliaceae	Tree	Kaori Crossberry Bhansuli,	Fodder
102.	<i>Hamelia patens</i>	Rubiaceae	Shrub	Firebush	Ornamental
103.	<i>Heliconia psittacorum</i>	Heliconiaceae	Herb	Golden Torch, Heliconia Lady Diana	Ornamental
104.	<i>Heremodallis fulva</i>	Asphodelaceae	Herb	Orange Day Lily	Ornamental
105.	<i>Hibiscus rosa-sinensis</i>	Malvaceae	Shrub	China Rose, Gurhal	Ornamental
106.	<i>Ichnocarpus frutescens</i>	Apocynaceae	Climber	Black Creeper, Kali Dudhi	Medicinal
107.	<i>Ipomoea cairica</i>	Convolvulaceae	Climber	Railway Creeper, Neeli Bel	Ornamental
108.	<i>Ipomoea purpurea</i>	Convolvulaceae	Climber	Purple Morning Glory,	Ornamental
109.	<i>Jacaranda mimosifolia</i>	Bignoniaceae	Tree	Blue Jacaranda, Neela gulmohar	Ornamental
110.	<i>Jasminum multiflorum</i>	Oleaceae	Climber	Indian Jasmine, Jangali Chameli	Ornamental
111.	<i>Jatropha integerrima</i>	Euphorbiaceae	Shrub	Peregrina, Spicy Jatropha	Ornamental
112.	<i>Juncus effusus</i>	Juncaceae	Herb (Sedge)	Soft Rush, Common rush	Ornamental
113.	<i>Juniperus chinensis 'Aurea'</i>	Cupressaceae	Tree	Chinese Juniper	Ornamental
114.	<i>Lantana camara</i>	Verbenaceae	Shrub	Lantana	Invasive species
115.	<i>Lantana montevidensis</i>	Verbenaceae	Shrub	Purple lantana, Trailing Lantana	Ornamental
116.	<i>Lepidagathis cuspidata</i>	Acanthaceae	Shrub	Pointed-Leaf Lepidagathis	Fodder
117.	<i>Lepidagathis incurva</i>	Acanthaceae	Shrub	Curved Lepidagathis	-
118.	<i>Leucophyllum frutescens</i>	Scrophulariaceae	Shrub	Texas sage	Ornamental
119.	<i>Litchi chinensis</i>	Sapindaceae	Tree	Lychee	Wild Edible Fruit
120.	<i>Litsea glutinosa</i>	Lauraceae	Tree	Meda Lakadi	Aromatic tree
121.	<i>Litsea monopetala</i>	Lauraceae	Tree	Meda	Seed oil-rich and timber value
122.	<i>Livistona chinensis</i>	Arecaceae	Tree	Chinese Fan Palm, Fountain Palm	Ornamental Palm
123.	<i>Mallotus philippensis</i>	Euphorbiaceae	Tree	Kamala Tree, Rohini, Sinduri	Dye Yielding Plant



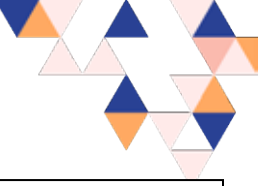
124.	<i>Malvastrum coromandelianum</i>	Malvaceae	Shrub	False Mallow, Kharenti	Lesser Known Fodder
125.	<i>Malvaviscus penduliflorus</i> ,	Malvaceae	Shrub	Pendulous Sleeping Hibiscus	Ornamental Bush
126.	<i>Mangifera indica</i>	Anacardiaceae	Tree	Aam, Mango	Edible Fruit
127.	<i>Mazus pumilus</i>	Mazaceae	Herb	Asian Mazus	Use for landscaping purposes
128.	<i>Melia azedarach</i>	Meliaceae	Tree	Chinaberry tree, Bakain	Timber
129.	<i>Millettia peguensis</i>	Fabaceae	Tree	Moulmein Rosewood	Ornamental Tree
130.	<i>Morus alba</i>	Moraceae	Tree	White Mulberry, Shahtoot, White Mulberry,	Wild Edible Fruit, Silk worm plant
131.	<i>Murraya paniculata</i>	Rutaceae	Shrub	Orange Jasmine, Manokamini	Ornamental
132.	<i>Musa × paradisiaca</i>	Musaceae.	Herb	Banana, Kela	Edible fruit, Sacred
133.	<i>Nerium oleander</i>	Apocynaceae	Shrub	Oleander, Kaner	Ornamental
134.	<i>Ophiopogon japonicus</i>	Asparagaceae	Herb	Dwarf lilyturf	Ornamental
135.	<i>Oxalis corniculata</i>	Oxalidaceae	Herb	Creeping Wood Sorrel, Amrul	Medicinal
136.	<i>Oxalis dehradunensis</i>	Oxalidaceae	Herb	Dehradun Wood Sorrel	-
137.	<i>Pandanus pygmaeus</i>	Pandanaceae	Shrub	Pygmy Screwpine	Ornamental
138.	<i>Parthenium hysterophorus</i>	Asteraceae	Herb	Congress grass Gajar Ghas	Invasive
139.	<i>Passiflora suberosa</i>	Passifloraceae	Climber	Corky Passion Flower	Ornamental
140.	<i>Phoenix loureiroi</i>	Arecaceae	Tree	Dwarf Date Palm, Jangali Khajur	Wild Edible Fruit
141.	<i>Phoenix roebelenii</i>	Arecaceae	Shrub	Dwarf Date Palm	Ornamental Palm
142.	<i>Phoenix sylvestris</i>	Arecaceae	Tree	Wild Date Palm, Khajur	Ornamental Palm
143.	<i>Phyla nodiflora</i>	Verbenaceae	Herb	Frog Fruit	Fodder
144.	<i>Phyllanthus amarus</i>	Phyllanthaceae	Herb	Jangli amla, Bhui Amala	Medicinal
145.	<i>Phyllanthus emblica</i>	Phyllanthaceae	Tree	Indian Gooseberry, Amala	Medicinal
146.	<i>Physalis minima</i>	Solanaceae	Herb	Wild gooseberry	Wild edible fruit
147.	<i>Pleioblastus fortunei</i>	Poaceae	Herb (Bamboo)	Dwarf Whitestripe Bamboo	Ornamental
148.	<i>Pleioblastus variegatus</i>	Poaceae	Herb (Bamboo)	Pleioblastus variegatus	Ornamental



149.	<i>Plumbago zeylanica</i>	Plumbaginaceae	Shrub	Chitrak, Ceylon leadwort	Medicinal Plant
150.	<i>Plumeria obtusa</i>	Apocynaceae	Tree	Singapore Frangipani	Ornamental
151.	<i>Plumeria rubra</i>	Apocynaceae	Tree	Frangipani, Golachin	Ornamental
152.	<i>Poa annua</i>	Poaceae	Herb (Grass)	Annual Bluegrass	Fodder
153.	<i>Pogostemon benghalensis</i>	Lamiaceae	Shrub	Bengal Shrub-Mint	Aromatic Plant
154.	<i>Premna latifolia</i>	Verbenaceae	Tree	Dusky Fire-Brand Teak, Bakar	Medicinal
155.	<i>Psidium guajava</i>	Myrtaceae	Tree	Common guava	Edible Fruit
156.	<i>Pteris vittata</i>	Pteridaceae	Herb	Chinese brake	Ornamental
157.	<i>Pyrus pashia</i>	Rosaceae	Tree	The wild Himalayan pear	Edible Fruit
158.	<i>Ravenala madagascariensis</i>	Strelitziaceae	Herb	Traveler's Palm, Traveler's tree	Ornamental
159.	<i>Reinwardtia indica</i>	Linaceae	Climber	Yellow Flax, Pyauli	Ornamental Climber
160.	<i>Rhapis excelsa</i>	Arecaceae	Shrub	Lady Palm	Ornamental Palm
161.	<i>Rhynchostylis retusa</i>	Orchidaceae	Herb (Orchid)	Foxtail Orchid	Ornamental orchid
162.	<i>Ricinus communis</i>	Euphorbiaceae	Shrub	Castor oil plant, Arandi	Medicinal
163.	<i>Rosa sp.</i>	Rosaceae	Shrub	Rose	Ornamental
164.	<i>Roystonea regia</i>	Arecaceae	Tree	Royal palm, Cuban Royal Palm	Ornamental
165.	<i>Rubia cordifolia</i>	Rubiaceae	Climber	Indian Madder, Majith	Medicinal Plant
166.	<i>Rubus niveus</i>	Rosaceae	Scrambling shrub	Mysore Raspberry, Kala hinsalu	Wild Edible Fruit
167.	<i>Ruellia longepetiolata</i>	Acanthaceae	Shrub	Water bluebell	Ornamental
168.	<i>Rumex dentatus</i>	Polygonaceae	Herb	Toothed Dock	Fodder
169.	<i>Sapindus mukorossi</i>	Sapindaceae	Tree	Indian Soapnut, Ritha	Used as soap nut
170.	<i>Schefflera arboricola 'Trinette'</i>	Araliaceae	Shrub	Dwarf Schefflera	Ornamental
171.	<i>Sida acuta</i>	Malvaceae	Shrub	Common Wireweed, Morning mallow	Medicinal
172.	<i>Sida rhombifolia</i>	Malvaceae	Shrub	Rhombic-Leaf Sida	Sida rhombifolia
173.	<i>Solanum nigrum</i>	Solanaceae	Herb	Black nightshade	Invasive
174.	<i>Solanum incanum</i>	Solanaceae	Shrub	Bitter Brinjal	Boiled fruits used as soap
175.	<i>Stephania glabra</i>	Menispermaceae	Climber	Hairless Tape Vine	-
176.	<i>Syzygium cumini</i>	Myrtaceae	Tree	Java plum, Jamun	Edible Fruit
177.	<i>Tabebuia aurea</i>	Bignoniaceae	Tree	Caribbean Trumpet	Ornamental
178.	<i>Tabernaemontana divaricata</i>	Apocynaceae	Shrub	Crape jasmine, Chandni	Ornamental
179.	<i>Tecomaria capensis</i>	Bignoniaceae	Shrub	Cape Honeysuckle	Ornamental



180.	<i>Tecoma stans</i>	Bignoniaceae	Tree	Yellow trumpet	Ornamental
181.	<i>Thaumatococcus bipinnatifidum</i>	Araceae	Shrub	Philodendron	Ornamental
182.	<i>Thunbergia grandiflora</i>	Acanthaceae	Climber	Bengal Clock Vine, Neel lata	Ornamental
183.	<i>Thysanolaena maxima</i>	Poaceae	Herb	Asian Broom Grass, Bamboo Grass	Used as Broom
184.	<i>Toona ciliata</i>	Meliaceae	Tree	Tun, Toon, Red cedar	Timber
185.	<i>Tradescantia spathacea</i>	Commelinaceae	Herb	Moses in the Cradle	Ornamental
186.	<i>Urena lobata</i>	Malvaceae	Shrub	Caesarweed	-
187.	<i>Vallisneria spiralis</i>	Apocynaceae	Climber	Dudhi Ki Bel	Ornamental Climber
188.	<i>Vernonia denticulata</i>	Rhamnaceae	Climber	Toothed-Leaf Red Creeper, Raidhani,	-
189.	<i>Vicia sativa</i>	Fabaceae	Herb	Simply Vetch	Fodder
190.	<i>Xylocarpus longifolia</i>	Salicaceae	Tree	Longleaf Logwood, Dandal, Katari	Wild Edible Fruit
191.	<i>Yucca aloifolia</i>	Asparagaceae	Shrub	Spanish Dagger	Ornamental
192.	<i>Zephyranthes rosea</i>	Amaryllidaceae	Herb	Pink Rain Lily	Ornamental



		
2. <i>Abrus pulchellus</i>	2. <i>Acacia auriculiformis</i>	3. <i>Acalypha hispida</i>
		
4. <i>Acalypha wilkesiana</i>	5. <i>Achyranthes aspera</i>	6. <i>Adenium obesum</i>
		
7. <i>Aerides multiflora</i>	8. <i>Aerva sanguinolenta</i>	9. <i>Aesculus assamica</i>



		
10. <i>Agathis robusta</i>	11. <i>Agave cantula</i>	12. <i>Ageratum conyzoides</i>
		
13. <i>Albizia lebbbeck</i>	14. <i>Albizia lucida</i>	15. . <i>Aloe vera</i>
		
16. <i>Alternanthera bettzickiana</i>	17. <i>Alternanthera brasiliana</i>	18. <i>Alpinia zerumbet</i> 'variegata'



		
19. <i>Alternanthera philoxeroides</i>	20. <i>Alternanthera sessilis</i>	21. <i>Amaranthus viridis</i>
		
22. <i>Araucaria columnaris</i>	23. <i>Argyreia nervosa</i>	24. <i>Arisaema tortuosum</i>
		
25. <i>Artemisia nilagirica</i>	26. <i>Artemisia vulgaris</i>	27. <i>Artocarpus heterophyllus</i>



		
28. <i>Artocarpus lacucha</i>	29. <i>Asparagus densiflorus</i>	30. <i>Bambusa bambos</i>
		
31. <i>Bambusa multiplex</i>	32. <i>Bambusa vulgaris var. striata</i>	33. <i>Bergera koenigii</i>
		
34. <i>Bidens pilosa</i>	35. <i>Bismarckia nobilis</i>	36. <i>Boehmeria virgata subsp. macrophylla</i>



		
37. <i>Bothriochloa</i> sp.	38. <i>Bougainvillea glabra</i>	39. <i>Broussonetia papyrifera</i>
		
40. <i>Callistemon viminalis</i>	41. <i>Calyptracarpus vialis</i>	42. <i>Camellia japonica</i>
		
43. <i>Canna indica</i>	44. <i>Capparis zeylanica</i>	45. <i>Cascabela thevetia</i>



		
46. <i>Casuarina equisetifolia</i>	47. <i>Cassia biflora</i>	48. <i>Cassia fistula</i>
		
49. <i>Celastrus paniculatus</i>	50. <i>Cerbera manghas</i>	51. <i>Chamaedorea elegans</i>
		
52. <i>Chenopodium album</i>	53. <i>Chlorophytum comosum</i>	54. <i>Chukrasia tabularis</i>



		
64. <i>Cordyline fruticosa</i>	65. <i>Coronopus didymus</i>	66. <i>Crinum asiaticum</i>
		
67. <i>Cryptolepis buchananii</i>	68. <i>Cuphea hyssopifolia</i>	69. <i>Cycas circinalis</i>
		
70. <i>Cyclospermum leptophyllum</i>	71. <i>Cynodon dactylon</i>	72. <i>Dalbergia sissoo</i>



		
73. <i>Delonix regia</i>	74. <i>Dendrocalamus membranaceus</i>	75. <i>Dendrophthoe falcata</i>
		
76. <i>Dicliptera chinensis</i>	77. <i>Dioscorea bulbifera</i>	78. <i>Dolichandra unguis-cati</i>
		
79. <i>Dracaena reflexa</i>	80. <i>Duranta erecta</i>	81. <i>Dypsis lutescens</i>



		
		
85. <i>Euphorbia hirta</i>	86. <i>Euphorbia milii</i>	87 <i>Ficus benghalensis</i>
		
88. <i>Ficus benjamina</i>	89. <i>Ficus hispida</i>	90. <i>Ficus microcarpa</i>



		
91. <i>Ficus racemosa</i>	92. <i>Ficus religiosa</i>	93. <i>Ficus rumphii</i>
		
94. <i>Ficus tinctoria</i> subsp. <i>gibbosa</i>	95. <i>Flindersia australis</i>	96. <i>Furcraea foetida</i>
		
97. <i>Galphimia glauca</i>	98. <i>Gardenia jasminoides</i>	99. <i>Gouania leptostachya</i>



		
100. <i>Grevillea robusta</i>	101. <i>Grewia serrulata</i>	102. <i>Hamelia patens</i>
		
103. <i>Heliconia psittacorum</i>	104. <i>Hemerocallis fulva</i>	105. <i>Hibiscus rosa-sinensis</i>
		
106. <i>Ichnocarpus frutescens</i>	107. <i>Ipomoea cairica</i>	108. <i>Ipomoea purpurea</i>



		
109. <i>Jacaranda mimosifolia</i>	110. <i>Jasminum multiflorum</i>	111. <i>Jatropha integerrima</i>
		
112. <i>Juncus effusus</i>	113 <i>Juniperus chinensis</i> 'Aurea',	114 <i>Lantana camara</i>
		
115. <i>Lantana montevidensis</i>	116. <i>Lepidagathis cuspidata</i>	117. <i>Lepidagathis incurva</i>



		
118. <i>Leucophyllum frutescens</i>	119. <i>Litchi chinensis</i>	120. <i>Litsea glutinosa</i>
		
121. <i>Litsea monopetala</i>	122. <i>Livistona chinensis</i>	123. <i>Mallotus philippensis</i>
		
124. <i>Malvastrum coromandelianum</i>	125. <i>Malvaviscus penduliflorus</i> ,	126. <i>Mangifera indica</i>



		
127. <i>Mazus pumilus</i>	128. <i>Melia azedarach</i>	129. <i>Millettia peguensis</i>
		
130. <i>Morus alba</i>	131. <i>Murraya paniculata</i>	132. <i>Musa × paradisiaca</i>
		
133. <i>Nerium oleander</i>	134. <i>Ophiopogon japonicus</i>	135. <i>Oxalis corniculata</i>



		
136. <i>Oxalis dehradunensis</i>	137. <i>Pandanus pygmaeus</i>	138. <i>Parthenium hysterophorus</i>
		
139. <i>Passiflora suberosa</i>	140. <i>Phoenix loureiroi</i>	141. <i>Phoenix roebelenii</i>
		
142. <i>Phoenix sylvestris</i>	143. <i>Phyla nodiflora</i>	144. <i>Phyllanthus amarus</i>



		
145. <i>Phyllanthus emblica</i>	146. <i>Physalis minima</i>	147. <i>Plantago mazor</i>
		
148. <i>Pleioblastus fortunei</i>	149. <i>Plumbago zeylanica</i>	150. <i>Plumeria obtusa</i>
		
151. <i>Plumeria rubra</i>	152. <i>Poa annua</i>	153. <i>Pogostemon benghalensis</i>



		
154. <i>Premna latifolia</i>	155. <i>Psidium guajava</i>	156. <i>Pteris vittata</i>
		
157. <i>Pyrus pashia</i>	158. <i>Ravenala madagascariensis</i>	159. <i>Reinwardtia indica</i>
		
160. <i>Rhapis excelsa</i>	161. <i>Rhynchosyilis retusa</i>	162. <i>Ricinus communis</i>



		
163. <i>Rosa</i>	164. <i>Roystonea regia</i>	165. <i>Rubia cordifolia</i>
		
166. <i>Rubus niveus</i>	167. <i>Ruellia longepetiolata</i>	168. <i>Rumex dentatus</i>
		
169. <i>Sapindus mukorossi</i>	170. <i>Schefflera arboricola</i> 'Trinette'	171. <i>Sida acuta</i>



		
172. <i>Sida rhombifolia</i>	173. <i>Solanum nigrum</i>	174. <i>Solanum incanum</i>
		
175. <i>Stephania glabra</i>	176. <i>Syzygium cumini</i>	177. <i>Tabebuia aurea</i>
		
178. <i>Tabernaemontana divaricata</i>	179. <i>Tecomaria capensis</i>	180. <i>Tecoma stans</i>



		
181. <i>Thaumatococcus danienii</i>	182. <i>Thunbergia grandiflora</i>	183 <i>Thysanolaena maxima</i>
		
184. <i>Toona ciliata</i>	185. <i>Tradescantia spathacea</i>	186. <i>Urena lobata</i>
		
187. <i>Vallisneria spiralis</i>	188 <i>Ventilago denticulata</i>	189. <i>Vicia sativa</i>



		
190. <i>Xylosma longifolia</i>	191. <i>Yucca aloifolia</i>	192. <i>Zephyranthes rosea</i>



B. Fauna

1. Butterflies (Lepidoptera: Rhopalocera): 39 species

S.No.	Butterfly Species	Scientific Name	Status	IWPA-Schedule
A.	Papilionidae			
1	Common Mormon	Linnaeus, 1758	Very Common	
2	Common Jay	(Page & Treadaway, 2014)	Uncommon	
B.	Pieridae			
3	Lemon Emigrant	Catopsilia pomona pomona(Fabricius, 1775)	Very Common	
4	Common Gull	Cepora nerissa phryne(Fabricius, 1775)	Common	
5	Indian Wanderer*	Pareronia hippia (Fabricius, 1787)	Common	
6	Large Cabbage White	Pieris brassicae nepalensis Gray, 1846	Very Common	
7	Common Grass Yellow	Eurema hecabe(Linnaeus, 1758)	Common	
8	Small Grass Yellow	Eurema brigitta rubella(Wallace, 1867)	Fairly Common	
9	Mottled Emigrant	Catopsilia pyranthe(Linnaeus, 1758)	Fairly Common	
C.	Lycaenidae			
10	Zebra Blue	Leptotes plinius plinius(Fabricius, 1793)	Very Common	
11	Plains Cupid *	Chilades pandava pandava(Horsfield, [1829])	Fairly Common	
12	Large Oakblue*	Arhopala amante sapella (Swinhoe, 1886)	Common	
13	Indian Oak Blue*	(Hewitson, 1862)	Fairly Common	
14	Common Onyx*	Horaga onyx onyx(Moore, [1858])	Uncommon	Schedule-II
15	Brown Onyx*	Horaga viola Moore, 1882	Uncommon	Schedule-II
16	Indigo Flash*	Rapala varuna orseis (Hewitson, [1863])	Fairly Common	Schedule-II
17	Slate Flash*	Moore, 1879)	Uncommon	
18	Common Lineblue	(Moore, [1875])	Uncommon	
19	Indian Peacock Royal*	(Fabricius, 1798)	Uncommon	Schedule-II
20	Pale Grass Blue	Pseudozizeeria maha maha (Kollar,[1844])	Common	
D.	Riodinidae			
21	Double-banded Judy *	Abisara bifasciata suffusa Moore, 1882	Fairly Common	
E.	Nymphalidae			



22	Common Castor	Ariadne merionemerione(Cramer, [1777])	Very Common	
23	Lemon Pansy	Junonia lemonias lemonias(Linnaeus, 1758)	Very Common	
24	Chocolate Pansy	Junonia iphita iphita(Cramer, [1779])	Very Common	
25	Orange Oakleaf	Kallima inachus inachus(Doyère, [1840])	Fairly Common	
26	Plain Tiger	Danaus chrysippu chrysipps (Linnaeus, 1758)	Uncommon	
27	Glassy Tiger	Parantica aglea melanoidesMoore, 1883	Uncommon	
28	Great Eggfly	Hypolimnas bolina jacintha(Drury, 1773)	Uncommon	
29	Gaudy Baron *	(Cramer, [1777])	Uncommon	Schedule-II
30	Common Baron*	(Moore, [1858])	Fairly Common	Schedule-II
31	Tawny Coster	Acraea terpsicore(Linnaeus, 1758)	Very Common	
32	Common Five-ring *	(Fabricius, 1775)	Uncommon	
33	Striped Tiger	Danaus genutia genutia (Cramer, [1779])	Uncommon	
34	Indian Common Crow	Euploea core core(Cramer, [1780])	Common	
35	Common Sailer	Moore, 1872	Uncommon	
36	Common Castor*	(Moore, 1884)	Very Common	
37	Common Palmfly	Elymnias hypermnestra undularis(Drury, 1773)	Fairly Common	
E.	Hesperiidae			
38	Grass Demon	Udaspes folus(Cramer, [1775])	Uncommon	
39	Common Small Flat*	Sarangesa dasahara dasahara (Moore, [1866])	Common	

*Photograph

IWPA: Indian Wildlife Protection Act, 1972 (amended 2022) , Schedules I&II.



1.Butterflies: Table 6



5.Indian Wanderer



11. Plain Cupid



12.Large Oakblue



13.IndianOakblue



14.Common Onyx



15.Brown Onyx



16. Indigo Flash



17. Slate Flash



19. Indian Peacock Royal



21. Double-banded Judy



29.Gaudy Baron (male)



30. Common Baron



32.Common Five Ring



36.Common Castor



39. Common Small Flat

2.

Table.7 ent's Niketan (21 Acres), Rajpur Road,
-Monsoon season)

S. no.	Common Name		Status
1	Asian Tailorbird		Resident
2	Black Kite		Resident
3	Brown Rockchat		Resident
4	Brown-headed Barbet	Psilopogon zeylanicus	Resident
5	Common Myna		Resident
6	Dusky Crag Martin	Ptyonoprogne concolor	Resident
7	Grey-breasted Prinia	Prinia hodgsonii	Resident
8	Himalayan Bulbul*	Pycnonotus leucogenys	Resident
9	Indian Grey Hornbill*	Ocyrceros birostris	Resident
10	Jungle Babbler*	Turdoides striata	Resident
11	Jungle Owlet		Resident
12	Oriental Magpie Robin*	Copsychus saularis	Resident
13	Oriental White-eye	Zosterops palpebrosus	Resident
14	Plum-headed Parakeet	Psittacula cyanocephala	Resident
15	Purple Sunbird*	Cinnyris asiaticus	Resident
16	Red-billed Leiothrix	Leiothrix lutea	Resident
17	Red-rumped Swallow	Cecropis daurica	Resident
18	Red-vented Bulbul	Pycnonotus cafer	Resident
19	Red-wattled Lapwing	Vanellus indicus	Resident
20	Rose-ringed Parakeet	Psittacula krameri	Resident
21	Spotted Dove*		Resident
22	Tickell's Flowerpecker	Dicaeum erythrorhynchos	Resident
23	Red-billed Blue Magpie	Urocissa erythroryncha	Resident

*Photograph



2.Birds: Table -7



8. Himalayan Bulbul



9.Indian Grey Hornbill



10.Jungle Babbler



12. Oriental Magpie Robin



15. Purple Sunbird (female)



21.Spotted Dove



3. Mammals (Mammalia): 4 species

Table.8 : List of Wild Mammals recorded in the President 's Niketan, Rajpur Road, Dehradun
(Summer: Pre-Monsoon season-May2025)

S.no.	Common Name	Scientific Name	Family	Status
1	Five-striped Palm Squirrel*	Funamb	Sciuridae	Resident /Feeds on fruits
2	Rhesus Macaque		Cercopithecidae	Resident /Feeds on fruits
3	Indian Crested Porcupine- IWPA-Schedule-I		Hystriidae	Resident /Nocturnal /Feeds on tubers
4	Indian Flying Fox Bat- IWPA-Schedule-II	Pteropus giganteus	Pteropodidae	Summer Migrant/Nocturnal/ Feeds on fruiting trees

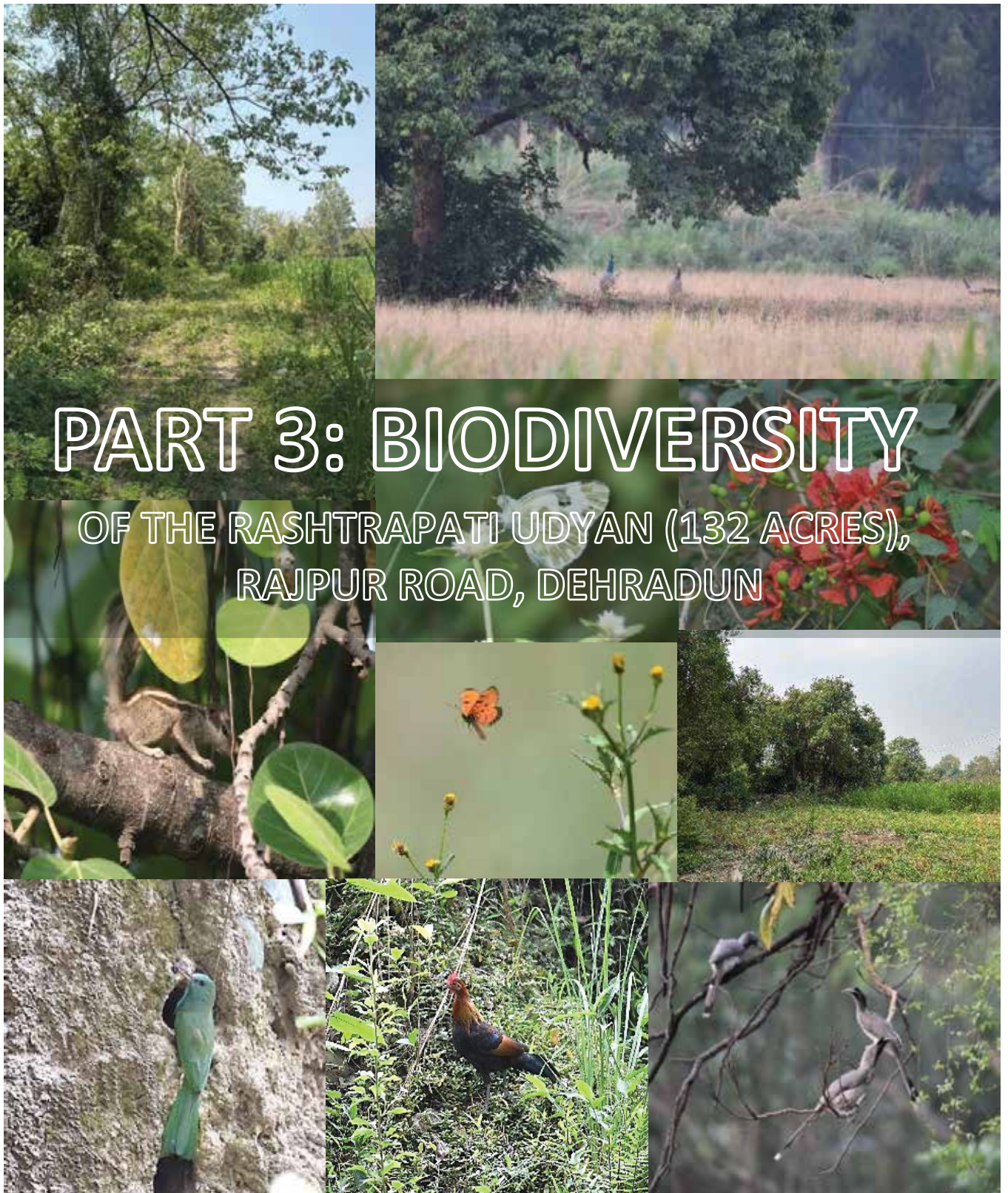
*Photograph

IWPA-Indian Wildlife protection Act,1972 (amended 2022)

3.Mammals: Table- 8



1.Five-striped Palm Squirrel



PART 3: BIODIVERSITY

OF THE RASHTRAPATI UDYAN (132 ACRES),
RAJPUR ROAD, DEHRADUN

**Aerial view of the Rashtrapati Udyan Presidents Retreat (132 Acres),
Rajpur Road, Dehradun, Uttarakhand
(Red Marked area)**



Inset Yellow Area: Natural forest area rich in biodiversity



**Wildlife habitat with native and planted vegetation in the
President's Retreat, Rashtrapati Udyan Forest (132 Acres), Rajpur Road, Dehradun**



A. Flora:

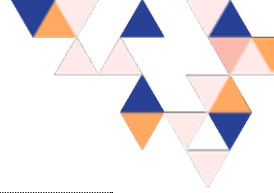
The flora of the Rashtrapati Udyan President's Retreat contains 187 plant species belonging 161 genera and 66 families under different habit types (Tree: 55, Shrub: 48, Climber: 32 and Herb: 52) including natural as well planted species.

Table. 9 : List of plants found at the Rashtrapati Udyan President's Retreat (132 Acres) , Dehradun (Summer Pre-Monsoon season: May 2025)

Sl. No.	Species Name	Family	Habit	Common Name	Uses
1.	Abrus pulchellus	Fabaceae	Climber	Showy Rosary Pea, Gaunchi	Medicinal Climber
2.	Acer oblongum	Sapindaceae	Tree	Himalayan Maple, Pharjanj	Timber
3.	Achyranthes aspera	Amaranthaceae	Shrub	Prickly Chaff Flower, Apamarga, Chirchira,	Medicinal Plant
4.	Acmella oleracea	Asteraceae	Herb	Toothache Plant, Akarkar	toothache plant; Hindi: Akarkar
5.	Adina cordifolia	Rubiaceae	Tree	Haldu, Yellow Teak	Timber
6.	Aegle marmelos	Rutaceae	Tree	Bel, Stone Apple	Edible Fruit
7.	Aerva sanguinolenta	Amaranthaceae	Shrub	Climbing Wool-Plant	-
8.	Ageratum conyzoides	Asteraceae	Herb	Goat weed	Invasive weed
9.	Albizia lebbek	Fabaceae	Tree	White Siris, Kala Siris	Timber
10.	Albizia procera	Fabaceae	Tree	White Siris, Safed Siris	Timber Tree
11.	Alternanthera philoxeroides	Amaranthaceae	Herb	Alligator Weed	Invasive weed
12.	Amaranthus spinosus	Amaranthaceae	Herb	Spiny Amaranth, Pig weed	Food source
13.	Amaranthus viridis	Amaranthaceae	Herb	Green Amaranth, Jungli Chaulayi	Food source
14.	Argemone mexicana	Papaveraceae	Herb	Mexican Prickly Poppy, Satyanashi	Invasive
15.	Argyreia nervosa	Convolvulaceae	Climber	Elephant Creeper Family:	Ornamental Climber
16.	Artemisia nilagirica	Asteraceae	Shrub	Nilgiri Wormwood , Nagdona, -	Medicinal Plant
17.	Artemisia vulgaris	Asteraceae	Herb	Mugwort	Medicinal
18.	Artocarpus lacucha	Moraceae	Tree	Lakoocha, Monkey Jack, Barhal	Wild Edible Fruit
19.	Asparagus	Asparagaceae	Climbing	West-Himalayan	Medicinal Plant



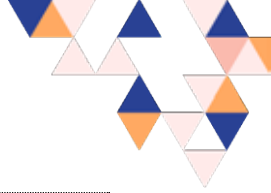
	adscendens		shrub	Asparagus, Safed musli	
20.	Bambusa bambos	Poaceae	Herb (Bamboo)	Indian Thorny Bamboo, Kanta Baans	Multipurpose Bamboo, also used for bio-fencing
21.	Bergera koenigii	Rutaceae	Small Tree	Kari Patta, Mithi Neem	Culinary applications for its aromatic flavor
22.	Bidens pilosa	Asteraceae	Herb	Beggar Tick	Invasive
23.	Boehmeria virgata subsp. macrophylla	Urticaceae	Shrub	False Nettle	Fiber
24.	Boerhavia diffusa	Nyctaginaceae	Herb	Red hogweed, Punarnava	Medicinal
25.	Bombax ceiba	Malvaceae	Tree	Silk Cotton Tree, Semal	Fiber
26.	Broussonetia papyrifera	Moraceae	Tree	Paper Mulberry, Jangli Toot	Wild edible fruit, also used for making high-quality paper.
27.	Butea monosperma	Fabaceae	Tree	Flame of the Forest, Palsh, Dhak	Ornamental
28.	Calyptocarpus vialis	Asteraceae	Herb	Straggler Daisy	Ornamental
29.	Capparis zeylanica	Capparaceae	Climbing shrub	Ceylon Caper, Indian Caper	Medicinal
30.	Casearia tomentosa	Salicaceae	Shrub	Chilla	Wild Edible Fruit
31.	Cassia fistula	Fabaceae	Tree	Amaltas, Golden Shower Tree	Medicinal (laxative)
32.	Celastrus paniculatus	Celastraceae	Climber	Black Oil Plant, Malkangani	Medicinal Climber
33.	Chenopodium album	Amaranthaceae	Herb	Bathua, fat hen, lamb's quarter	Used as vegetable
34.	Chukrasia tabularis	Meliaceae	Tree	Chittagong wood, Chukrasi	Timber, Avenue Tree
35.	Cinnamomum tamala	Lauraceae	Tree	Indian Bay Leaf, Tejpatta	Used as spice
36.	Cissampelos pareira	Menispermaceae	Climber	Velvet Leaf, Akanadi	Medicinal Climber
37.	Cissus repanda	Vitaceae	Climber	Pani Bel, Wavy-leaved Cissus	Wild Edible Fruit
38.	Clematis gouriana	Ranunculaceae	Climber	Indian Clematis, Gourian Clematis	Ornamental Climber
39.	Clerodendrum indicum	Verbenaceae	Shrub	Tube flower, Bharangi	Ornamental
40.	Clerodendrum infortunatum	Lamiaceae	Shrub	Hill Glory Bower, Bhant	Flowers attracts hummingbirds as food source



41.	<i>Coccinia grandis</i>	Cucurbitaceae	Climber	Ivy Gourd, Kundru	Edible
42.	<i>Cocculus laurifolius</i>	Menispermaceae	Tree	Laurel- Leaved Snail Tree, Tilaphoraa	Medicinal
43.	<i>Coffea bengalensis</i>	Rubiaceae	Shrub	Bengal Coffee	Medicinal
44.	<i>Colebrookea</i>	Lamiaceae	Shrub	Indian Squirrel Tail, Bhirmoli	-
45.	<i>Colocasia esculenta</i>	Araceae	Herb	Arabi, Ghuyan	Edible
46.	<i>Cordia dichotoma</i>	Boraginaceae	Tree	Indian cherry, Lasora	Wild Edible Fruit
47.	<i>Coronopus didymus</i>	Brassicaceae	Herb	Lesser swine-cress	-
48.	<i>Cryptolepis buchananii</i>	Apocynaceae	Climber	Wax Leaved Climber, Kala Bel	Medicinal
49.		Convolvulaceae	Climber	Giant Dodder, Amar Bel	Parasite plant
50.	<i>Cyclospermum leptophyllum</i>	Apiaceae	Herb	Fir-Leaved Celery	Used as a parsley substitute.
51.	<i>Cynodon dactylon</i>	Poaceae	Herb	Common Lawn Grass, Doob	Fodder, Lawn Grass
52.		Cyperaceae	Herb (Grass)	Snow White Sedge	For stuffing purpose
53.	<i>Dalbergia sissoo</i>	Fabaceae	Tree	Indian rosewood, Shisham	Timber
54.	<i>strictus</i>	Poaceae	Herb (bamboo)	Lathi Baans, Calcutta Bamboo	Multipurpose Bamboo
55.	<i>Dicliptera chinensis</i>	Acanthaceae	Herb	Chinese Foldwing	-
56.	<i>Dioscorea bulbifera</i>	Dioscoreaceae	Climber	Aerial yam, Air potato	Food plant
57.	<i>Dolichandra unguis-cati</i>	Bignoniaceae	Climber	Cat's claw creeper	Ornamental
58.		Verbenaceae	Shrub	Sky flower, Golden Dew Drop	Ornamental
59.	<i>Ehretia acuminata</i>	Boraginaceae	Tree	Koda Tree	Fodder
60.	<i>Elaeagnus latifolia</i>	Elaeagnaceae	Shrub	South Indian, Gyali	Fruit Edible
61.	<i>lacunosus</i>	Elaeocarpaceae	Tree	Badrash	Sacred
62.	<i>Eranthemum pulchellum</i>	Acanthaceae	Shrub	Blue Sage, Gulsham,	Ornamental plant
63.	<i>Eucalyptus camaldulensis</i>	Myrtaceae	Tree	The River Red gum	Timber
64.	<i>Eucalyptus tereticornis</i>	Myrtaceae	Tree	Forest Red Gum	Timber
65.	<i>Eupatorium</i>	Asteraceae	Herb	Mexican devil, Kala	Invasive



	adenophorum			Bansa	
66.	Euphorbia heterophylla	Euphorbiaceae	Shrub	Wild Poinsettia	Ornamental
67.	Euphorbia hirta	Euphorbiaceae	Herb	Asthma Weed, Bara Dudhi	Medicinal
68.		Euphorbiaceae	Shrub	The Crown-of-Thorns	Ornamental
69.	Euphorbia thymifolia	Euphorbiaceae	Herb	Dwarf Spurge, Chhoti Dudhi	Medicinal
70.	Evolvulus nummularius	Convolvulaceae	Herb	Roundleaf Bindweed	Medicinal
71.		Moraceae	Tree	Moraceae	Wild edible fruit
72.	var. vittata	Moraceae	Tree	Punjab Fig, Bedu	Edible Fruit
73.		Moraceae	Tree	Pakad, Clusters Fig	Wild Edible Fruit
74.	Ficus religiosa	Moraceae	Tree	Peepal, holy fig tree,	Sacred Tree/ / Wild Edible Fruit
75.	Ficus rumphii	Moraceae	Tree	Rumph's Fig	Wild Edible Fruit
76.	Ficus	Moraceae	Shrub	Nepal Fig, Van Timila	Wild Edible Fruit
77.	Flueggea virosa	Phyllanthaceae	Shrub	White-Berry Bush	Wild Edible Fruit
78.	Fragaria indica	Rosaceae	Herb	Indian Strawberry	Wild Edible Fruit
79.	Galinsog parviflora	Asteraceae	Herb	Small-flower Galinsoga	Invasive
80.	Gnaphalium affine	Asteraceae	Herb	Cotton Weed,	Invasive species
81.	Gouania leptostachya	Rhamnaceae	Climber	Slender Spiked Gouania	Bark used as a shampoo
82.	Grevillea robusta	Proteaceae	Tree	Silver Oak	Avenue Tree
83.	Grewia serrulata	Tiliaceae	Tree	Kaori Crossberry Bhansuli,	Fodder
84.	Grona heterocarpus	Fabaceae	Shrub	Asian Tick Trefoil	Fodder
85.	Gymnema tingens	Apocynaceae	Climber	Scentless Cowplant	Medicinal
86.	Heteropanax fragrans	Araliaceae	Tree	Fragrant Aralia	Food plant for Eri silkworms
87.	Hibiscus rosa-sinensis	Malvaceae	Shrub	China Rose, Gurhal	Ornamental
88.	Hiptage benghalensis	Malpighiaceae	Climber	Hiptage, Madhavi Lata	-
89.	Holarrhena pubescens	Apocynaceae	Tree	Indrajau, Kutaja, Kuda	Medicinal
90.	Ichnocarpus frutescens	Apocynaceae	Climber	Black Creeper, Kali Dudhi	Medicinal
91.	Ipomoea purpurea	Convolvulaceae	Climber	Purple Morning Glory,	Ornamental flower
92.	Ipomoea triloba	Convolvulaceae	Climber	Little Bell Morning	Ornamental



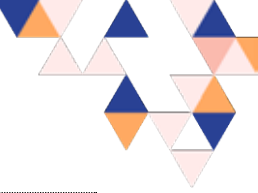
		ae		Glory	flower
93.	Jasminum multiflorum	Oleaceae	Climber	Indian Jasmine, Jangali Chameli	Ornamental
94.	Jasminum sambac	Oleaceae	Shrub	Bela, Motiya, Mogra	Ornamental flower
95.	Kigelia africana	Bignoniaceae	Tree	Sausage Tree	Ornamental, Medicinal
96.	indica	Lythraceae	Shrub	Common Crape Myrtle, Sawani,	Ornamental
97.	Lannea coromandelica	Anacardiaceae	Tree	Jinghan, Indian Ash Tree	Wild edible fruit
98.	Lantana camara	Verbenaceae	Shrub	Lantana	Invasive species
99.	cuspidata	Acanthaceae	Shrub	Pointed-Leaf Lepidagathis	Fodder
100.	Lepidagathis incurva	Acanthaceae	Shrub	Curved Lepidagathis	-
101.	Lepidium virginicum	Brassicaceae	Herb	Virginia Pepperweed	Young leaves added to salads
102.	Leucaena leucocephala	Fabaceae	Tree	Wild Tamarind, White Babool, Subabool	Fodder
103.		Sapindaceae	Tree	Lychee	Wild Edible Fruit
104.	Litsea glutinosa	Lauraceae	Tree	Meda Lakadi	Aromatic tree
105.	Litsea monopetala	Lauraceae	Tree	Meda	Seed oil-rich and timber value
106.	Livistona chinensis	Arecaceae	Tree	Chinese Fan Palm, Fountain Palm	Ornamental
107.	Lygodium flexuosum	Lygodiaceae	Climber	Climbing Fern, Maidenhair Creeper	Ornamental
108.	Maclura cochinchinensis	Moraceae	Scrambling Shrub	Cockspur Thorn	Wild Edible Fruit
109.	Mallotus philippensis	Euphorbiaceae	Tree	Kamala Tree, Rohini, Sinduri	Dye Yielding Plant
110.	Malvastrum coromandelianum	Malvaceae	Shrub	False Mallow, Kharenti	Fiber
111.	Mangifera indica	Anacardiaceae	Tree	Aam, Mango	Edible Fruit
112.	Mazus pumilus	Mazaceae	Herb	Asian Mazus	Use for landscaping purposes
113.	Mecardonia procumbens	Plantaginaceae	Herb	Baby Jump Up	Source of very strong fiber
114.	Melia azedarach	Meliaceae	Tree	Chinaberry tree, Bakain	
115.	Melochia corchorifolia	Sterculiaceae	Shrub	Chocolate Weed, Bilpat	Fiber for r
116.	Millettia	Fabaceae	Climber	Large-Leaf Pongam	Forage and Fiber



	extensa			Creeping	source
117.		Fabaceae	Shrub	Touch-me-not, Chui-Mui	Invasive species
118.	rubicaulis subsp. himalayana	Fabaceae	Shrub	Himalayan Mimosa, Agla, Aila	-
119. t r	Mirabilis jalapa	Nyctaginaceae	Shrub	Four O'clock flower	Ornamental
120.	Misopates orontium	Plantaginaceae	Herb	Corn Snapdragon	Root and leaves as antiseptic and massage on teeth
121.	Morus alba	Moraceae	Tree	White Mulberry, Shahtoot, White Mulberry,	Wild Edible Fruit, Silk worm plant
122.	Murraya paniculata	Rutaceae	Shrub	Orange Jasmine, Manokamini	Ornamental
123.	Musa × paradisiaca	Musaceae.	Herb	Banana, Kela	Edible fruit, Sacred
124.	Oenothera rosea	Onagraceae	Herb	Evening Primrose	Fodder
125.	Oplismenus sp.	Poaceae	Herb (Grass)	Basketgrass	Fodder
126.	Oxalis corniculata	Oxalidaceae	Herb	Creeping Wood Sorrel, Amrul	-
127.	Oxalis debilis	Oxalidaceae	Herb	Large-Flowered Pink Sorrel	-
128.	Oxalis dehradunensis	Oxalidaceae	Herb	Dehradun Wood Sorrel	-
129.	Parthenium hysterophorus	Asteraceae	Herb	Congress grass Gajar Ghas	Invasive
130.	Passiflora suberosa	Passifloraceae	Climber	Corky Passion Flower	Ornamental
131.		Rubiaceae	Shrub	Indian Pavetta	Ornamental
132.	thyrsiformis	Acanthaceae	Shrub	Red Flame-Acanthus	Ornamental Climber
133.	Phoebe lanceolata	Lauraceae	Tree	Lanceleaf Laurel,	Timber
134.	Phoenix loureiroi	Arecaceae	Tree	Dwarf Date Palm, Jangali Khajur	Wild Edible Fruit
135.	Phyllanthus amarus	Phyllanthaceae	Herb	Jangli amla, Bhui Amala	Medicinal
136.	Phyllanthus emblica	Phyllanthaceae	Tree	Amla, Indian gooseberry	Medicinal
137.	Physalis minima	Solanaceae	Herb	Wild gooseberry	Wild Edible Fruit
138.	Plantago major	Plantaginaceae	Herb	Broadleaf Plantain	Medicinal
139.	Pogostemon benghalensis	Lamiaceae	Shrub	Bengal Shrub-Mint	Aromatic Plant



140.	<i>Polyalthia longifolia</i>	Annonaceae	Tree	False Ashok	Ornamental
141.	<i>Polygonum barbatum</i>	Polygonaceae	Herb	Water Milkwort	-
142.	<i>Polygonum hydropiper</i>	Polygonaceae	Herb	Water pepper, Marsh pepper	-
143.	<i>Premna latifolia</i>	Verbenaceae	Tree	Dusky Fire-Brand Teak, Bakar	Medicinal
144.	<i>Prunus persica</i>	Rosaceae	Tree	Peach	Edible Fruit
145.		Pteridaceae	Herb (Fern)	Thinleaf Brake	
146.	<i>Pterospermum</i>	Sterculiaceae	Tree	Kanak Champa, Maple-leaved Bayur tree	Timber, Avenue Tree
147.	<i>Pyrus communis</i>	Rosaceae	Tree	Pear, Nashpati	Edible Fruit
148.		Rosaceae	Tree	The wild Himalayan pear	Edible Fruit
149.	<i>Reinwardtia</i>	Linaceae	Climber	Yellow Flax, Pyauli	Ornamental Climber
150.	<i>retusa</i>	Orchidaceae	Herb (Orchid)	Foxtail Orchid	Ornamental
151.	<i>Ricinus communis</i>	Euphorbiaceae	Shrub	Castor oil plant, Arandi	Medicinal
152.		Rubiaceae	Climber	Indian Madder, Majith	Medicinal Plant
153.		Rosaceae	Shrub	Yellow Himalayan Raspberry, Hisol, Hisalu	Edible Fruit
154.	<i>Rubus niveus</i>	Rosaceae	Scrambling shrub	Mysore Raspberry, Kala hinsalu	Wild Edible Fruit
155.		Polygonaceae	Herb	Toothed Dock	Fodder
156.	<i>Scoparia dulcis</i>	Plantaginaceae	Herb	Sweet Broom Weed, Mithi Patti	Medicinal
157.	<i>Senegalia pennata</i>	Fabaceae	Climber	Climbing acacia, Agla Bel	Tender shoots used in soups
158.	<i>Senna occidentalis</i>	Fabaceae	Shrub	Coffee Senna, Kasunda	Invasive and also used as Cassia gum
159.		Poaceae	Herb (Grass)	Green foxtail or Green Bristle Grass	Fodder
160.	<i>Shorea robusta</i>	Dipterocarpaceae	Tree	Sal	Timber
161.	<i>Sida acuta</i>	Malvaceae	Shrub	Common Wireweed, Morning mallow	Medicinal
162.	<i>Sida</i>	Malvaceae	Shrub	Rhombic-Leaf Sida	Bast fibers extracted from stems
163.	<i>Smilax ovalifolia</i>	Smilacaceae	Climbing shrub	Large-Leaf Smilax, Jangli Aushbah,	-



164.	Sohmaea laxiflora	Fabaceae	Shrub	Loose Flowered Desmodium, Jangli-ganja	Fodder and for soil improvement
165.	Solanum nigrum	Solanaceae	Herb	Black nightshade	Invasive
166.	Solanum incanum	Solanaceae	Shrub	Bitter Brinjal	Fruits used as soap
167.	Solanum torvum	Solanaceae	Shrub	Turkey Berry, Bhankatiya	Invasive
168.	Syzygium cumini	Myrtaceae	Tree	Java plum, Jamun	Edible Fruit
169.	Tabernaemontana	Apocynaceae	Shrub	Crape jasmine, Chandni	Ornamental
170.	Tectona grandis	Verbenaceae	Tree	Teak, Sagun	Timber
171.	lanceolarium	Vitaceae	Climber	Indian Chestnut Vine	Fiber
172.	Themeda sp.	Poaceae	Herb (Grass)		Livestock fodder
173.	Thysanolaena maxima	Poaceae	Herb	Asian Broom Grass, Bamboo Grass	Used as Broom
174.	Tinospora cordifolia	Menispermaceae	Climber	The heart-leaved moonseed, Giloy	Medicinal Plant
175.	Tithonia	Asteraceae	Shrub	Shrub Sunflower	Used for soil improvement
176.	Toona ciliata	Meliaceae	Tree	Tun, Toon, Red cedar	Timber
177.		Cannabaceae	Tree	Rough-Leaf Charcoal Tree	Used for rope and carpet making
178.	Tridax procumbens	Asteraceae	Herb	Tridax Daisy	Invasive
179.	Triumfetta pilosa	Tiliaceae	Shrub	Hairy Burr-Bush	Fiber obtained from bark
180.	Urena lobata	Malvaceae	Shrub	Caesarweed	-
181.	Urtica parviflora	Urticaceae	Shrub	Smallflower Nettle or Bichu Buti	Fiber
182.	solanacea	Apocynaceae	Climber	Dudhi Ki Bel	Ornamental Climber
183.	Ventilago denticulata	Rhamnaceae	Climber	Toothed-Leaf Red Creeper, Raidhani,	-
184.	Vicia sativa	Fabaceae	Herb	Simply Vetch	Fodder
185.	Xanthium strumarium	Asteraceae	Shrub	Rough cocklebur, Chota gokhuru	-
186.	Xylocarpus longifolia	Salicaceae	Tree	Longleaf Logwood, Dandal, Katari	Wild Edible Fruits
187.	Zanthoxylum asiaticum	Rutaceae	Climber	Orange Climber, Forest pepper	Wild Edible Fruits



		
1. <i>Abrus pulchellus</i>	2. <i>Acer oblongum</i>	3. <i>Achyranthes aspera</i>
		
4. <i>Acmella oleracea</i>	5. <i>Adina cordifolia</i>	6. <i>Aegle marmelos</i>
		
7. <i>Aerva sanguinolenta</i>	8. <i>Ageratum conyzoides</i>	9. <i>Albizia lebbeck</i>



		
10. <i>Albizia procera</i>	11. <i>Alternanthera philoxeroides</i>	12. <i>Amaranthus spinosus</i>
		
13. <i>Amaranthus viridis</i>	14. <i>Argemone mexicana</i>	15. <i>Argyreia nervosa</i>
		
16. <i>Artemisia nilagirica</i>	17. <i>Artemisia vulgaris</i>	18. <i>Artocarpus lacucha</i>



		
19. <i>Asparagus adscendens</i>	20. <i>Bambusa bambos</i>	21. <i>Bergera koenigii</i>
		
22. <i>Bidens pilosa</i>	23. <i>Boehmeria virgata</i> subsp. <i>macrophylla</i>	24. <i>Boerhavia diffusa</i>
		
25. <i>Bombax ceiba</i>	26. <i>Broussonetia papyrifera</i>	27. <i>Butea monosperma</i>



		
28. <i>Calyptocarpus vialis</i>	29. <i>Capparis zeylanica</i>	30. <i>Casearia tomentosa</i>
		
31. <i>Cassia fistula</i>	32. <i>Celastrus paniculatus</i>	33. <i>Chenopodium album</i>
		
34. <i>Chukrasia tabularis</i>	35. <i>Cinnamomum tamala</i>	36. <i>Cissampelos pareira</i>



		
37. <i>Cissus repanda</i>	38. <i>Clematis gouriana</i>	39. <i>Clerodendrum indicum</i>
		
40. <i>Clerodendrum infortunatum</i>	41. <i>Coccinia grandis</i>	42. <i>Cocculus laurifolius</i>
		
43. <i>Coffea bengalensis</i>	44. <i>Colebrookea oppositifolia</i>	45. <i>Colocasia esculenta</i>



		
46. <i>Cordia dichotoma</i>	47. <i>Coronopus didymus</i>	48. <i>Cryptolepis buchananii</i>
		
49. <i>Cuscuta reflexa</i>	50. <i>Cyclospermum leptophyllum</i>	51. <i>Cynodon dactylon</i>
		
52. <i>Cyperus niveus</i>	53. <i>Dalbergia sissoo</i>	54. <i>Dendrocalamus strictus</i>



		
55. <i>Dicliptera chinensis</i>	56. <i>Dioscorea bulbifera</i>	57. <i>Dolichandra unguis-cati</i>
		
58. <i>Duranta erecta</i>	59. <i>Ehretia acuminata</i>	60. <i>Elaeagnus latifolia</i>
		
61. <i>Elaeocarpus lacunosus</i>	62. <i>Eranthemum pulchellum</i>	63. <i>Eucalyptus camaldulensis</i>



		
64. <i>Eucalyptus tereticornis</i>	65. <i>Eupatorium adenophorum</i>	66. <i>Euphorbia heterophylla</i>
		
67. <i>Euphorbia hirta</i>	68. <i>Euphorbia milii</i>	69. <i>Euphorbia thymifolia</i>
		
70. <i>Evolvulus nummularius</i>	71 <i>Ficus hispida</i>	72. <i>Ficus palmata</i> var. <i>vittata</i>



		
73. <i>Ficus racemosa</i>	74. <i>Ficus religiosa</i>	75. <i>Ficus rumphii</i>
		
76. <i>Ficus sarmentosa</i>	77. <i>Flueggea virosa</i>	78. <i>Fragaria indica</i>
		
79. <i>Galinsoga parviflora</i>	80. <i>Gnaphalium affine</i>	81. <i>Gouania leptostachya</i>



		
82. <i>Grevillea robusta</i>	83. <i>Grewia serrulata</i>	84. <i>Gona heterocarpos</i>
		
85. <i>Gymnema tingens</i>	86. <i>Heteropanax fragrans</i>	87. <i>Hibiscus rosa-sinensis</i>
		
88. <i>Hiptage benghalensis</i>	89. <i>Holarrhena pubescens</i>	90. <i>Ichnocarpus frutescens</i>



		
91. <i>Ipomoea purpurea</i>	92. <i>Ipomoea triloba</i>	93. <i>Jasminum multiflorum</i>
		
94. <i>Jasminum sambac</i>	95. <i>Kigelia africana</i>	96. <i>Lagerstroemia indica</i>
		
97. <i>Lannea coromandelica</i>	98. <i>Lantana camara</i>	99. <i>Lepidagathis cuspidata</i>



		
100. <i>Lepidagathis incurva</i>	101. <i>Lepidium virginicum</i>	102. <i>Leucaena leucocephala</i>
		
103. <i>Litsea chinensis</i>	104. <i>Litsea glutinosa</i>	105. <i>Litsea monopetala</i>
		
106. <i>Livistona chinensis</i>	107. <i>Lygodium flexuosum</i>	108. <i>Maclura cochinchinensis</i>



		
109. <i>Mallotus philippensis</i>	110. <i>Malvastrum coromandelianum</i>	111. <i>Mangifera indica</i>
		
112. <i>Mazus pumilus</i>	113 <i>Mecardonia procumbens</i>	114 <i>Melia azedarach</i>
		
115. <i>Melochia corchorifolia</i>	116. <i>Millettia extensa</i>	117. <i>Mimosa pudica</i>



		
118. <i>Mimosa rubicaulis</i> subsp. <i>himalayana</i>	119. <i>Mirabilis jalapa</i>	120. <i>Misopates orontium</i>
		
121. <i>Morus alba</i>	122. <i>Murraya paniculata</i>	123. <i>Musa</i> × <i>paradisiaca</i>
		
124. <i>Oenothera rosea</i>	125. <i>Oplismenus</i> sp	126. <i>Oxalis corniculata</i>



		
127. <i>Oxalis debilis</i>	128. <i>Oxalis dehradunensis</i>	129. <i>Parthenium hysterophorus</i>
		
130. <i>Passiflora suberosa</i>	131. <i>Pavetta indica</i>	132. <i>Phlogacanthus thyrsoformis</i>
		
133. <i>Phoebe lanceolata</i>	134. <i>Phoenix loureiroi</i>	135. <i>Phyllanthus amarus</i>



		
136. <i>Phyllanthus emblica</i>	137. <i>Physalis minima</i>	138. <i>Plantago major</i>
		
139. <i>Pogostemon benghalensis</i>	140. <i>Polyalthia longifolia</i>	141. <i>Polygonum barbatum</i>
		
142. <i>Polygonum hydropiper</i>	143. <i>Premna latifolia</i>	144. <i>Prunus persica</i>



		
145. <i>Pteris biaurita</i>	146. <i>Pterospermum acerifolium</i>	147. <i>Pyrus communis</i>
		
148. <i>Pyrus pashia</i>	149. <i>Reinwardtia indica</i>	150. <i>Rhynchosstylis retusa</i>
		
151. <i>Ricinus communis</i>	152. <i>Rubia cordifolia</i>	153. <i>Rubus ellipticus</i>



		
154. <i>Rubus niveus</i>	155. <i>Rumex dentatus</i>	156. <i>Scoparia dulcis</i>
		
157. <i>Senegalia pennata</i>	158. <i>Senna occidentalis</i>	159. <i>Setaria glauca</i>
		
160. <i>Shorea robusta</i>	161. <i>Sida acuta</i>	162. <i>Sida rhombifolia</i>



		
163. <i>Smilax ovalifolia</i>	164. <i>Sohmaea laxiflora</i>	165. <i>Solanum nigrum</i>
		
166. <i>Solanum incanum</i>	167. <i>Solanum torvum</i>	168. <i>Syzygium cumini</i>
		
169. <i>Tabernaemontana divaricata</i>	170. <i>Tectona grandis</i>	171. <i>Tetrastigma lanceolarium</i>



		
172. <i>Themeda</i> sp.	173. <i>Thysanolaena maxima</i>	174. <i>Tinospora cordifolia</i>
		
175. <i>Tithonia diversifolia</i>	176. <i>Toona ciliata</i>	177. <i>Trema politoria</i>
		
178. <i>Tridax procumbans</i>	179. <i>Triumfetta pilosa</i>	180. <i>Urena lobata</i>



		
181. <i>Urtica parviflora</i>	182. <i>Vallaris solanacea</i>	183 <i>Ventilago denticulata</i>
		
184. <i>Vicia sativa</i>	185. <i>Xanthium strumarium</i>	186. <i>Xylosma longifolia</i>
		
	187. <i>Zanthoxylum asiaticum</i>	

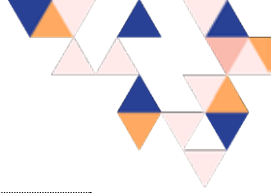


B. Fauna

Butterflies (Lepidoptera: Rhopalocera): 40 species

Table. 10 : List of Butterflies found at the Rashtrapati Udyan, President's Retreat, Dehradun (Summer- Pre-Monsoon Season: May 2025)

S.No.	Butterfly Species	Scientific Name	Abundance Status
A	Papilionidae		
1	Common Mormon	Papilio polytesLinnaeus, 1758	Common
2	Common Mime IWPA-Sch-I	Linnaeus, 1758	Common
3	Common Jay	Graphium dosonaxionides(Page & Treadaway, 2014)	Uncommon
B	Pieridae		
4	Indian Jezebel	Delias eucharis(Drury, 1773)	Uncommon
5	Lemon Emigrant	(Fabricius, 1775)	Common
6	Common Grass Yellow	Eurema hecabe(Linnaeus, 1758)	Common
7	Small Grass Yellow	Eurema brigitta rubella(Wallace, 1867)	Common
8	Large Cabbage White	Pieris brassicae nepalensisGray, 1846	Very Common
9	Common Gull*	(Fabricius, 1775)	Common
10	Psyche	Leptosia nina(Fabricius, 1793)	Very Common
11	Indian Wanderer	(Fabricius, 1787)	Fairly Common
12	Himalayan Cabbage White	Evans, 1926	Uncommon
13	Himalayan Bath White*	(Röber, [1907])	Very Common
14	Pioneer*	Belenois aurota aurota (Fabricius, 1793)	Fairly Common
C.	Lycaenidae		
15	Common Pierrot	(Fabricius, 1775)	Uncommon
16	Pea Blue*	(Linnaeus, 1767)	Uncommon
17	Zebra Blue	(Fabricius, 1793)	Uncommon
18	Lesser Grass Blue	Zizina otis otis(Fabricius, 1787)	Very Common
19	Gram Blue	s (Fabricius, 1798)	Uncommon



20	Plains Cupid *	Chilades pandava pandava(Horsfield, [1829])	Uncommon
21	Pale Grass Blue	(Kollar, [1844])	Common
22	Indigo Flash- IWPA-Sch-II*	(Hewitson, [1863])	Fairly Common
D.	Riodinidae		
23	Double-banded Judy*	suffuse Moore, 1882	Fairly Common
E.	Nymphalidae		
24	Tawny Coster*	Acraea terpsicore(Linnaeus, 1758)	Very Common
25	Common Castor*	(Moore, 1884)	Very Common
26	Indian Common Crow	Euploea core core(Cramer, [1780])	Uncommon
27	Chocolate Pansy*	Junonia iphita iphita(Cramer, [1779])	Very Common
28	Lemon Pansy	(Linnaeus, 1758)	Common
29	Common Sailer*	Moore, 1872	Fairly Common
30	Glassy Tiger*	Parantica aglea melanoidesMoore, 1883	Uncommon
31	Plain Tiger*	Danaus chrysippus chrysippu(Linnaeus, 1758)	Very Common
32	Blue Pansy*	Junonia orithya(Linnaeus, 1758)	Fairly Common
33	Lemon Pansy	Junonia lemonias lemonias(Linnaeus, 1758)	Very Common
34	Orange Oakleaf*	Kallima inachus inachus(Doyère, [1840])	Fairly Common
35	Common Four-ring	Ypthima huebnerKirby, 1871	Uncommon
36	Common Evening Brown	Melanitis leda leda (Linnaeus, 1758)	Uncommon
37	Commander*	Moduza procris procris(Cramer, [1777])	Uncommon
38	Bamboo Treebrown* IWPA-Sch-I	Fruhstorfer, 1911	Fairly Common
F.	Hesperiidae		
39	Common Small Flat	Sarangesa dasah (Moore, [1866])	Fairly Common
40	Common Branded Redeye	Matapa aria (Moore, [1866])	Uncommon

*Photograph; IWPA-Indian Wildlife Protection ACT,1972 (Amended 2022) Schedules .



1. Butterflies: Table -10



9.Common Gull



13. Common Bath White



14.Pioneer



14. Pioneer



16. Pea Blue



20.Plain's Cupid



22.Indigo Flash



23. Double-banded Judy



24.Tawny Coster



25. Common Castor



27.Chocolate Pansy



29. Common Sailer



30. Glassy Tiger



31. Plain Tiger



32. Blue Pansy



34. Orange Oakleaf



37. Commander



38. Bamboo Treebrown



2.Birds (Aves): 69 species

Table.11 : List of Birds recorded in the Presidents Retreat, Udyan(Summer: Pre-Monsoon season-May 2025)

S.no.	Common Name	Scientific Name	Status
1	Alexandrine Parakeet* (IUCN -Near Threatened)		Resident
2	Ashy Prinia	Prinia socialis	Resident
3	Asian Koel	Eudynamys scolopaceus	Resident
4	Asian Paradise Flycatcher*	Terpsiphone paradisi	Summer Migrant
5	Asian Tailorbird	Orthotomus sutorius	Resident
6	Bar-winged Flycatcher Shrike*	Hemipus	Resident
7	Black-chinned Babbler		Resident
8	Black Drongo		Resident
9	Black Kite	Milvus migrans	Resident
10	Blue-bearded Bee-eater*	Nyctornis athertoni	Resident
11	Blue-throated Flycatcher	Cyornis rubeculoides	Summer Migrant
12	Blyth's Reed Warbler		Winter migrant/Resident Migrant
13	Brown-headed Barbet		Resident
14	Chestnut-bellied Nuthatch	Sitta cinnamoventris	Resident
15	Cattle Egret*	Bubulcus ibis	Resident
16	Common Emerald Dove	Chalcophaps indica	Resident
17	Common Hawk Cuckoo	Hierococcyx varius	Summer Migrant
18	Common Iora	Aegithina tiphia	Resident
19	Common Myna*		Resident
20	Coppersmith Barbet	Psilopogon haemacephalus	Resident
21	Eurasian Golden Oriole	Oriolus oriolus	Summer Migrant
22	Great Tit*	Parus major	Resident
23	Greater Coucal	Centropus sinensis	Resident
24	Grey Treepie	Dendrocitta formosae	Resident
25	Grey-breasted Prinia	Prinia hodgsonii	Resident
26	Grey-hooded Warbler*	Phylloscopus xanthoschistos	Winter migrant/ Resident Migrant
27	Himalayan Bulbul*	Pycnonotus leucogenys	Resident
28.	Indian Grey Hornbill*	Ocyrceros birostris	Resident



29	House Swift		Resident
30	Indian Peafowl*	<i>Pavo cristatus</i>	Resident
31	Indian Pond Heron		Resident
32	Jungle Babbler*		Resident
33	Jungle Bush-quail	<i>Perdica asiatica</i>	Resident
34	Jungle Myna*	<i>Acridotheres fuscus</i>	Summer Migrant
35	Jungle Owlet*	<i>Glaucidium radiatum</i>	Resident
36	Large-billed Crow		Resident
37	Lesser Yellow-nape Woodpecker	<i>Picus chlorolophus</i>	Resident
38	Little Minivet		Resident
39	Orange-headed Thrush		Summer Migrant
40	Oriental Honey Buzzard		Resident
41	Oriental Magpie Robin	<i>Copsychus saularis</i>	Resident
42	Oriental White-eye*	<i>Zosterops palpebrosus</i>	Resident
43	Banded Bay Cuckoo		Summer Migrant
44	Plum-headed Parakeet*	<i>Psittacula cyanocephala</i>	Resident
45	Puff-throated Babbler	<i>Pellorneum ruficeps</i>	Resident
46	Purple Sunbird	<i>Cinnyris asiaticus</i>	Resident
47	Red-billed Leiothrix*	<i>Leiothrix lutea</i>	Resident
48	Red-billed Blue Magpie		Resident
49	Red Jungle Fowl*	<i>Gallus gallus</i>	Resident
50	Red-rumped Swallow		Resident
51	Red-vented Bulbul*	<i>Pycnonotus cafer</i>	Resident
52	Red-wattled Lapwing*	<i>Vanellus indicus</i>	Resident
53	Red-whiskered Bulbul*	<i>Pycnonotus jocosus</i>	Resident
54	Rose-ringed Parakeet*		Resident
55	Rock Pigeon*	<i>Columba livia</i>	Resident
56	Rufous Treepie		Resident
57	Rusty-cheeked Scimitar Babbler*	<i>Pomatorhinus erythrogenys</i>	Resident
58	Shikra	<i>Accipiter badius</i>	Resident
59	Scaly-breasted Munia		Resident
60	Spangled Drongo*	<i>Dicrurus bracteatus</i>	Resident
61	Speckled Piculet		Resident
62	Spotted Dove*	<i>Spilopelia chinensis</i>	Resident
63	Spotted Owlet	<i>Athene brama</i>	Resident



64	Tickell's Flowerpecker		Resident
64	White-breasted Waterhen *		Resident
	White-browed Scimitar		
65	Babbler	<i>Pomatorhinus schisticeps</i>	Resident
66	White-throated Fantail	<i>Rhipidura albicollis</i>	Resident
67	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	Resident
68	Wire-tailed Swallow		Resident
69.	Yellow-eyed Babbler	<i>Chrysomma sinense</i>	Resident

*Photograph

2. Birds: Table-11



1. Alexandrine Parakeet



4. Asian Paradise Flycatcher (Male)



4. Asian Paradise Flycatcher (Female)



6. Bar-winged Flycatcher Shrike



10. Blue-bearded Bee-eater



15. Cattle Egret



19. Common Myna



22. Great Tit



26. Grey Hooded Warbler



27. Himalayan Bulbul



28. Indian Grey Hornbill



30.Indian Peafowl



32.Jungle Babbler



34.Jungle Myna



35.Jungle Owlet



42.Oriental White eye



44.Plum-headed Parakeet



47. Red-billed Leiothrix



49.Red Jungle Fowl



49 Red Jungle Fowl



51. Red-vented Bulbul



52. Red-wattled Lapwing (Adult)



52. Red-wattled Lapwing (Juvenile)



53. Red-whiskered Bulbul



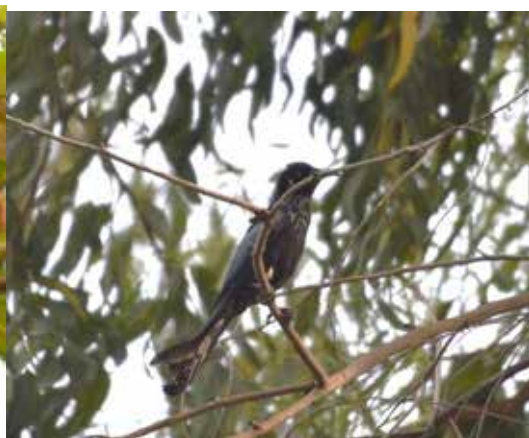
54. Rose-ringed Parakeet



55. Rock Pigeon



57. Rusty-cheeked Scimitar Babbler



60. Spangled Drongo



62. Spotted Dove



64. White-breasted Waterhen

3. Mammals (Mammalia): 6 species

Table. 12: List of Wild Mammals recorded in the President 's Retreat, Rashtrapati Udyan forest, Rajpur Road, Dehradun (Summer -Pre Monsoon season-May 2025)

S.no.	Common Name	Scientific Name	Family	Status
1	Golden Jackal-IWPA-Sch.I		Canidae	Resident
2	Five-striped Palm Squirrel*	Funambulus pennantii	Sciuridae	Resident
3	Wild Boar	Sus scrofa	Suidae	Resident
4	Rhesus Macaque		Cercopithecidae	Resident
5	Indian Grey Mongoose-IWPA-Sch.II	Urva edwardsii	Herpestidae	Resident
6	Indian Crested Porcupine-IWPA-Sch-I		Hystriidae	Resident

*Photograph; IWPA-Indian Wildlife Protection Act,1972 (amended 2022)

3. Mammals : Table-12



1.Five-striped Palm Squirrel



		
<i>Leucaena leucocephala</i>	<i>Litchi chinensis</i>	<i>Litsea glutinosa</i>
		
<i>Litsea monopetala</i>	<i>Maclura cochinchinensis</i>	<i>Mallotus philippensis</i>
		
<i>Mangifera indica</i>	<i>Milletia extensa</i>	<i>Mimusops elengi</i>

