

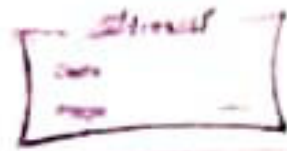


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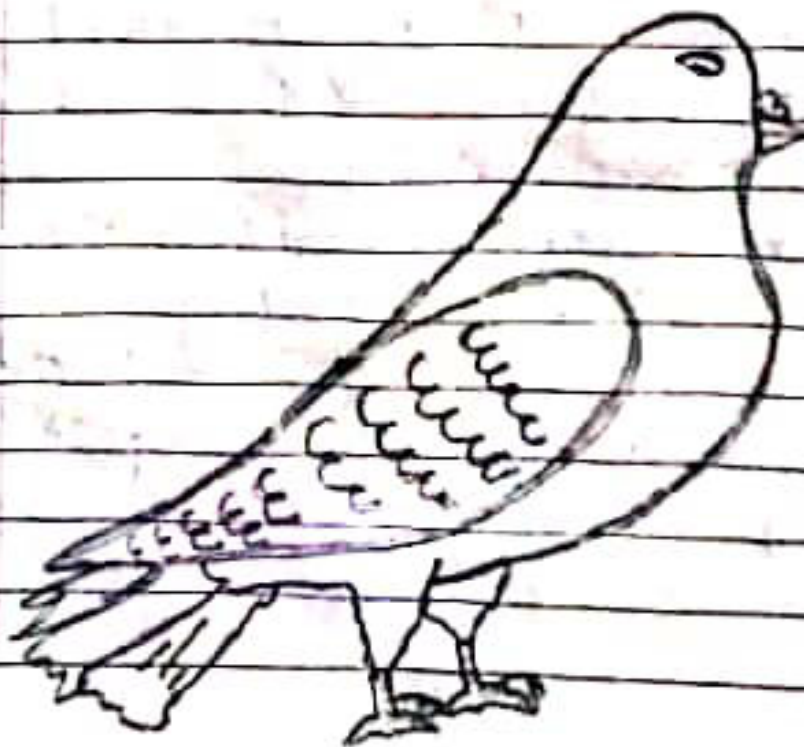
Dr. Rajesh Verma, Assistant professor and head, U.G. Department of Zoology, D.K. College, Dumraon (Buxar). Notes for B.Sc part and paper 3 (A), UNIT = 3(C)

Ques: *Columba livia* (Aves) ko Classify karay hue Sachitra Varnan karay.

Ans: The large bird genus *Columba* comprises a group of medium to large stout-bodied pigeons, often referred to as the typical pigeons. The terms "dove" and "pigeon" are used indiscriminately for smaller and larger Columbidae, respectively. *Columba* species - at least those of *Columba* *serau* - *strick* - are generally



termed Pigeons. The species
 commonly referred to just
 as the pigeon is the feral
 pigeon (*C. livia domestica*). It
 is derived from the rock
 dove (*C. livia*), which also
 has given rise to the
 majority of domesticated
 pigeon breeds such as
 the racing pigeon and the
 fantail pigeon. Meanwhile
 wood pigeon by pigeon (*C. palumbus*)



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Scientific classification

Kingdom : Animalia

Phylum : Chordata

Class : Aves

Order
Family : Columbiformes

Subfamily : Columbidae

Genus :
Subfamily : Columbinae

Genus : Columba
Linnaeus, 1758

Synonyms:-

Aptepalia Bonaparte
1825 (but see text) Temminck
Bonaparte, 1851

This genus is as understood today is native to the old world, but some - notably the domestic and feral rock pigeon - have been introduced outside their natural range, for example in the Americas.

Taxonomy:-

The genus *Columba* was introduced by the Swedish naturalist Carl Linnaeus in 1758 in the tenth edition of his *Systema Naturae*.

The type species was designated as the Stock dove (*Columba oenas*) by the Irish zoologist Nicholas Aylward Vigors in 1825.

The term Columba comes from the Latin "Columba" a dove the feminine form of Columbus a male dove itself the latinisation of the Greek (Kolumbos) diver, which derives from the verb (kolumbao) to dive, plunge headlong, swim. The feminine form of Kolumbos, Kolumbe dives was the name applied by Aristotle and others to the common rock pigeon of Greece, because of the swimming motion made by their wings when flying.

The American pigeons formerly in Columba are now split as a separate genus Pataginenas. That the American radiation constitutes a distinct lineage is borne out by molecular

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evidence. In fact, the patagionid pigeons' are basal to the split between the Columba pigeons' and the Streptopelia dove. The typical pigeons together with Streptopelia and the minor Neoenas and Stigmaphelia lineages constitute the dominant evolutionary radiation of Columbidae in temperate Eurasia, though they also occur in tropical region.