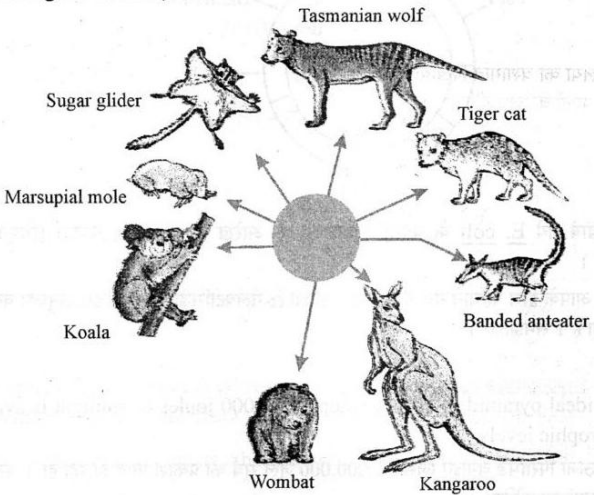
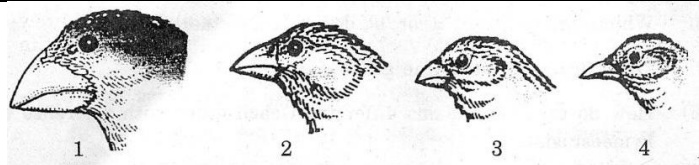


<b>Class XII</b>		
	<b>TOPIC:-EVOLUTION</b>	
	<b>ONE MARK QUESTIONS</b>	
1	What causes speciation according to Hugo de Vries?	
2	Mention the type of evolution that has brought the similarity as seen in potato tuber and sweet potato.	
	<b>TWO MARK QUESTION</b>	
3	How do Darwin's finches illustrate adaptive radiation?	
4	How is Darwin's concept of evolution different from de Vries?	
5	What is divergent evolution? Explain taking an example of plants.	
6	Why are the wings of butterfly and birds said to be analogous organs? Name the type of evolution of which the analogous organs are a result of.	
	<b>3 MARK QUESTIONS</b>	
11	 <p>a) Mention the specific geographical region where these organisms are found.</p> <p>b) Name and explain the phenomenon that has resulted in the evolution of such diverse species in the region.</p> <p>c) Explain giving reasons the existence of placental wolf and Tasmanian wolf sharing the same habitat.</p>	



- a) Write your observations on the variations seen in the Darwin's finches shown above.
- b) How did Darwin explain the existence of different varieties of finches on Galapagos Islands?

- a) How does the Hardy-Weinberg's expression ( $p^2 + 2pq + q^2 = 1$ ) explain that genetic equilibrium is maintained in a population?
- b) List any two factors that can disturb the genetic equilibrium.

### 5 MARK QUESTIONS

12

Explain Darwinian theory of evolution with the help of one suitable example. State the two key concepts of the theory.

Mention any three characteristics of Neanderthal man that lived in near east and central Asia.