Vidya Bhawan Balika Vidyapeeth Lakhisarai Arun Kumar Gupta Class 11<sup>th</sup> Sub. Biology Date:- 11.10.20

## Why are the classification systems changing every now and then?

From very early days till now biologists use several characters for classification system. These are morphology, anatomy, cytology, physiology, ontogeny, phylogeny, reproduction, biochemistry, etc. But day by day biologists are learning something new about organisms from their fossil records and using" advanced study techniques such as molecular phylogeny, etc. So their point of view about classification keeps changing. Thus the system of classification is modified every now and then.

## What different criteria would you choose to classify people that you meet often?

The various criteria that may be chosen to classify people whom we meet often include behaviour, geographical location, morphology, family members, relatives, friends etc.

## What do we learn from identification of individuals and populations?

The knowledge of characteristic of an individual or its whole population helps in identification of similarities and dissimilarities among the individuals of same kind or between different types of organisms. It helps us to classify the organisms in various categories depending upon these similarities and dissimilarities.