

PLANT SYSTEMATICS

TOPIC- SYSTEMS OF CLASSIFICATION

BY

HAPPY DAS

BENTHAM AND HOOKER'S SYSTEM OF CLASSIFICATION-

- IT IS A NATURAL SYSTEM OF CLASSIFICATION.
- IT IS BASED ON DE CANDOLLE'S SYSTEM OF CLASSIFICATION.
- DICOTS ARE DIVIDED INTO POLYPETALAE, GAMOPETALAE AND MONOCHLAMYDAE.

- GYMNOSPERMS ARE PLACED IN BETWEEN DICOTS AND MONOCOTS.
- MONOCOTS ARE PLACED AFTER DICOTS.
- MONOCOTYLEDONS ARE ARRANGED IN 7 SERIES.
- ALL FLOWERING PLANTS ARE PLACED INTO 202 FAMILIES.

- DICOTYLEDONS ARE DIVIDED INTO 3 SUB CLASSES, 3 SUB CLASSES INTO 14 SERIES. SERIES DIVIDED INTO COHORTS (ORDER), COHORTS INTO NATURAL ORDERS (FAMILIES), NATURAL ORDERS INTO GENERA AND FINALLY GENERA INTO SPECIES.

- POACEAE IS THE LAST FAMILY OF MONOCOT AND HYDROCHARITACEAE IS THE PRIMITIVE.
- RANUNCULACEAE IS THE MOST PRIMITIVE AND CERATOPHYLLACEAE IS THE ADVANCED AMONG DICOTS.

THANK YOU