

PLANT SYSTEMATICS

TOPIC- SYSTEMS OF CLASSIFICATION

BY

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ENGLER AND PRANTL'S SYSTEM OF CLASSIFICATION

- IT IS A PHYLOGENETIC SYSTEM OF CLASSIFICATION.
- IT IS BASED ON EICHLER'S SYSTEM OF CLASSIFICATION.
- DICOTS ARE DIVIDED INTO ARCHICHLAMYDAE AND METACHLAMYDAE

- GYMNOSPERMS ARE PLACED BEFORE DICOTS.
- MONOCOTS ARE PLACED BEFORE DICOTS.
- MONOCOTYLEDONS ARE ARRANGED IN 11 ORDERS.

- ALL FLOWERING PLANTS ARE PLACED INTO 309 FAMILIES.
- ORCHIDACEAE IS THE LAST FAMILY OF MONOCOTS AND TYPHACEAE IS THE PRIMITIVE.
- CASUARINACEAE IS THE MOST PRIMITIVE AND ASTERACEAE(COMPOSITAE) IS THE MOST ADVANCED FAMILY AMONG DICOTS.

- DICOTYLEDONS ARE DIVIDED INTO TWO SUB CLASSES .TWO SUB CLASSES DIVIDED INTO 44 ORDERS.THE ORDERS ARE DIVIDED INTO SUB ORDERS,SUB ORDERS INTO FAMILIES,GENERA AND FINALLY GENERA INTO SPECIES.

THANK YOU