

GYMNOSPERMS

TOPIC-CLASSIFICATION OF GYMNOSEPERMS

HAPPY DAS

SACT

DEPT. OF BOTANY

CLASSIFICATION OF GYMNOSPERMS BY STEWART AND ROTHWELL (1993)

- ACCORDING TO WRITER KINGDOM PLANTAE IS DIVIDED INTO TWO CLASSES
- CLASS-I PROGYMNOSPERMOPSIDA (ANCESTOR OF GYMNOSPERM)
- CLASS-II GYMNOSPERMOPSIDA (PLANTS WITH NAKED SEEDS)
- THEY DIVIDED PROGYMNOSPERMOPSIDA INTO 3 ORDERS AND GYMNOSPERMOPSIDA INTO 13 ORDERS

CLASS-I PROGYNMOSPERMOPSIDA

- ORDER I-ANEUROPHYTALES
- ORDER II-ARCHAEOPTERIDALES
- ORDER III-PROTOPITYALES

CLASS-II GYMNOSPERMOPSIDA

- ORDER I- PTERIDOSPERMALES
- ORDER II- CYCADALES
- ORDER III-CYCADEOIDALES
- ORDER IV-CAYTONIALES
- ORDER V-GLOSSOPTERIDALES
- ORDER VI-PENTOXYLALES
- ORDER VII-CZEKANOWSKIALES

CLASS-II GYMNOSPERMOPSIDA

- ORDER VIII-GNETALES
- ORDER IX-GINKGOALES
- ORDER X-CORDAITALES
- ORDER XI-VOLTZIALES
- ORDER XII-CONIFERALES
- ORDER XIII-TAXALES

THANK YOU