

Total page: 1

PG (NEW) CBCS
M.Sc. Semester-IV Examination, 2020
BOTANY
PAPER: BOT 402A
(TAXONOMY SPECIAL)

Full Marks: 40

Time: 2 Hours

Answer any one question from your allotted special paper: (400 words) 40X1=40

1. Distinguish between taxonomy and systematics. Describe the terms monophyly, paraphyly and polyphyly.
2. Write a brief note on history of botanical nomenclature.
3. What is meant by nomenclatural type? Describe with examples the different nomenclatural types.
4. Write a brief history of taxonomic studies in India.
5. Write the history and role of Botanical Survey of India (BSI) in taxonomic studies.
6. Write the role of micro morphological characters in plant systematic studies.
7. Mention different pollen morphological characters used in plant taxonomy. How palynological studies help to delimit different taxonomic groups.
8. Mention the importance of proteins and flavonoides in solving taxonomic debates.
9. Define phytogeography. Write the names of phytogeographical zones in India with their dominating trees.
10. Define biodiversity. Write the importance of biological diversity for human race.
11. What are the differences between ICN & ICBN? Write down the principles of ICN.
12. What is phylogenetic system of classification? Write down the full form of APG.
Briefly discuss any such system of classification mentioning its merits and demerits.
