

B.Sc. III Semester PRACTICALS

Total number of hours per week: 04, Internal Assessment=10 Marks, Max Marks: 40 Marks

1. Vegetative and reproductive structures of Nostoc, Volvox and Oedogonium.
 2. Vegetative and reproductive structures of Sargassum and Batrachospermum
 3. Vegetative, reproductive structures and disease symptoms of Albugo, Rhizopus and Penicillium.
 4. Vegetative, reproductive structures and disease symptoms of Puccinia. Lichens
 5. Study of Vegetative and Reproductive structures of Riccia, Anthoceros and Funeria.
 6. Study of Vegetative and Reproductive structures of Psilotum and Selaginella.
 7. Study of Vegetative and Reproductive structures of Equisetum and Nephrolepis.
 8. Study of Vegetative and Reproductive structures of Cycas, Pinus and Gnetum.
 9. Disease symptoms and control measures of Late blight of potato, Black rust of Wheat, Tikka disease of ground nut.
 10. Paleobotany- Study of fossils Lepidodendron, Calamitis, Lygenopteris.
- ✓ 1. Field visits.

Suggested Readings:

- Smith G.M. 1971 vol 1 Algae and fungi. Tata McGraw HILL Publishing company New Delhi
Sharma O.P. 1992 Text book of thallophytes McGraw Hill Publication
Sharma P.D. 1991 The fungi Rastogi and Co Meerut
Dubey H.C. 1990 An Introduction to Fungi Vikas Publishing House Pvt Ltd
Dehli Clifton, A 1958 Introduction to Bacteria McGraw Hill and Co New York
Basu A.N. 1993 Essentials of plant viruses, vectors plant diseases New Age International New Dehli.
Chopra G.L. A text book of algae Rastogi and co Meerut
Rangaswami G 1998 Diseases of crop plants in India. Prentice Hall of India New Delhi.
Sunderrajan S 1997 College Botany Vol 1. S. Chand and Co Ltd New Dehli
Alexopoulos, 1992 An Introduction to Mycology. New Age International. New Dehli
Vashista B.R. 1978 Fungi. S. Chand and co. Ltd. New Delhi

B.Sc. III Semester Botany Practical Examination

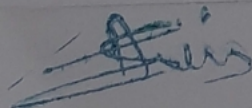
Max Marks: 40

Time: 4 Hours

- Q1: Identify and classify specimens A, B, C giving reasons. 09 marks
Q2: Identify and explain the internal structures of specimen D and E with the neat labelled diagrams (Show the preparation to the examiner) 10 marks
Q3: Identify & describe the salient features in the slides/ specimens E, F, G, H, I and J 12 marks
Q4: Identify & describe the salient features in the fossil specimen K. 03 marks
03 marks
04 marks
03 marks

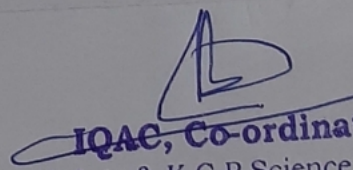
Journal

✓ Field visit report



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