

B.N. Bandodkar College of Science, Thane
F.Y. B.Sc. Second Term end Examination 2011

Subject Botany

Paper I

Duration 2 hrs

Max Marks-60

| N.B. | 1) 2) 3) | All Questions are compulsory. Figures to right indicate full marks. Draw neat labelled diagrams wherever necessary. | Marks |
|------|----------------|--|-------|
| Q.1) | a) | Answer the following in one sentence:- 1) Name any two important species of <i>Riccia</i> . 2) How many integuments are present in <i>Cycas</i> ovule? 3) What is artificial system of classification? | 3 |
| | b) | Answer any TWO of the following:- 1) Discuss vegetative reproduction in <i>Riccia</i> . 2) Discuss the economic importance of gymnosperms. 3) Mention the distinguishing characters of family Amaryllidaceae. | 12 |
| Q2) | a) | Describe the internal structure of thallus in <i>Riccia</i> . | 7 |
| | b) | Describe the structure of sorus and single sporangium in <i>Nephrolepis</i> . | 8 |
| | | OR | |
| | b) | Describe the prothallus stage of <i>Nephrolepis</i> | 8 |
| Q 3) | a) | Explain the internal structure of <i>Cycas</i> pinna. | 7 |
| | b) | Describe the methods of fossilization studied by you. | 8 |
| | | OR | |
| | b) | Mention the distinguishing characters of coniferophyta. | 8 |
| Q.4) | a) | Explain the distinguishing characters of family Malvaceae. Mention any two plants from the family along with their economic importance. | 7 |
| | b) | Give an account of Natural system of classification. | 8 |
| | | OR | |
| | b) | Explain the distinguishing characters of family Solanaceae. Mention any two plants from the family along with their economic importance. | 8 |