

B.N.Bandodkar College of Science
S.Y.B.Sc. IVth Semester Examination 2014
USBO403
Paper III

Duration 2 hrs

Max Marks 60

- N.B. 1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Draw neat labelled diagrams wherever necessary.

- Q.1 a) Describe the different kinds of papers. 7
OR
a) What are spices and condiments? Mention botanical name and uses of Cardamom and Saffron. 7
b) What is fibre? Mention botanical name, source, properties and uses of Cotton. 8
OR
b) Mention botanical name, source, properties and uses of Jute. 8
- Q. 2 a) Write an essay on botanical garden. 7
OR
a) Describe the types of water garden and add a note on its construction. 7
b) What is lawn? Describe the methods of lawn making in detail. 8
OR
b) What is species diversity? Give any four examples of plants with reference to garden locations studied by you. 8
- Q. 3 a) Give an account of edible vaccines. 7
OR
a) Discuss in detail, selectable markers. 7
b) Give an account of transgenic plants for production of edible vaccines. 8
OR
b) What is Bioinformatics? Explain NCBI and EBI 8
- Q. 4 a) Answer **any three** of the following in one word/ sentence: 3
1. Which part of Clove plant yields oil?
2. Which state in India is a major producer of Saffron?
3. Which garden location is suitable for *Polyalthia longifolia*?
4. Give any one example of reporter gene.
5. Give any two names of National Park found in India.
6. Give the full form of BLAST?
- b) Attempt **any two** of the following: 12
1. Write a note on the various uses of Coconut.
2. Explain in brief, flower bed as a garden location.
3. Write a note on uses of Nutmeg.
4. Write a note on antibiotic resistance marker genes.