

PG CBCS
M.SC. Semester-II Examination, 2021
BOTANY
PAPER: C-BOT204
PLANTS AND SOCIETY

Full Marks: 40**Time: 2 Hours**Write the answer for each unit in separate sheetUNIT- C-BOT 204.1

Answer any TWO questions of the following: 10X2=20

1. Discuss Whittaker's five kingdom concept. Give example of each kingdom.
Briefly discuss the economic importance of Algae. 5+5
2. What are early vascular plants? Give two examples. Write down the economic importance of Gymnosperm. 3+2+5
3. What is the function of mitochondria? Mention four unique characters of plant cell. Discuss different components of Xylem and Phloem. 2+4+4
4. Why bryophytes are known as amphibians of plant kingdom? Classify bryophytes according to Proskauer (1957) giving at least two class characters. 1+3+6

UNIT- C-BOT 204.2

Answer any TWO questions from the following: 10X2=20

1. What are ethnobotanical plants? Write the scientific names with their respective families of 'Vasak', 'Tulsi' and 'Kalmegh'. Mention the uses of *Centella*. 2+6+2
2. Write the botanical name of two dye yielding and two fibre yielding plants with their respective families. Mention the uses of coriander, saffola and black pepper. (2+2)+(2+2+2)
3. Differentiate between edible and essential oil. Write the scientific name and family of two edible oil, two essential oil and pulses yielding plants. Mention uses of rice bran. 2+(2+2+2)+2
4. Write short notes on (a) Amber and (b) Diatomaceous earth. 5x2=10
