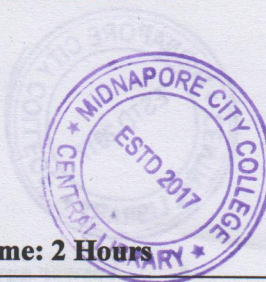


**PG (NEW) CBCS**  
**M.Sc. Semester-II Examination, 2019**  
**BOTANY**  
**PAPER: C-BOT 204 (CBCS)**  
**ELECTIVE – I**  
**PLANTS AND SOCIETY (Part - I)**

**Full Marks: 40****Time: 2 Hours**

**Use separate Answer-scripts for each unit**

**BOT 204.1**

**General Concept on Plant Kingdom**

**Marks-20**

1. Answer any two questions of the following: 2×2=4
  - a) State key characters of algae.
  - b) Why pteridophyta is called vascular cryptogams?
  - c) Write down two commercial applications of lichen.
  - d) Place a protozoa and a fish in Whittaker's five kingdom.
  
2. Write short notes on any two of the following: 4×2=8
  - a) Three domain concept.
  - b) Economic importance of Gymnosperms.
  - c) Bryophytes as amphibians of plant kingdom.
  - d) Application of bacteria in agriculture.
  
3. Answer any one question of the following: 8×1=8
  - a) Classify algae on the basis of their pigment system. Give example of each group. 5+3
  - b) Write down four unique properties each of bryophytes and pteridophytes. 4+4

**(Turn over)**





(2)

BOT 204.2

Socio-economic aspects of Plants

Marks-20

4. Answer any two questions of the following:  $2 \times 2 = 4$
- Write the scientific names with families of two pulse yielding plants.
  - Give the scientific name of mat grass and vetiver grass.
  - Write down the health benefits of green tea.
  - What is amber? Mention its uses.
5. Write the short notes on any two of the following:  $4 \times 2 = 8$
- Uses of Babui grass.
  - Commercial uses of fossil plants.
  - Properties of jute fibre.
  - Ethnomedicinal uses of *Abrus precatorius* and *Andrographis paniculata*.
6. Answer any one question of the following:  $8 \times 1 = 8$
- Write the common names and medicinal uses of the following plants:  
*Centella*, *Strychnos*, *Ocimum*, and *Adhatoda*.  $2+2+2+2$
  - Write scientific names, part used, colour components, and uses of two dye yielding plants of India.  $4+4$

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