



BBA-003-1144001

Seat No. _____

M. Sc. Botany (Sem. IV) (CBCS) Examination

July - 2021

BOT-419 : Botany

(Plant Resources Utilization) (New Course)

Faculty Code : 003

Subject Code : 1144001

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

Instructions : All questions carry equal marks.

- 1 Answer the following. 14
- (a) What are anthropogenic grasslands?
 - (b) What is grassland restoration?
 - (c) What is trade mark? Write its role?
 - (d) Give definition of Biological diversity and Bio-utilization.
 - (e) What is WIPO? Write its role.
 - (f) What is pruning?
 - (g) Give name of forest measurement variables.
- 2 Answer the following. 14
- (a) Give names of grasslands found in desert region of India
 - (b) Name flora and fauna found in Terai region of India
 - (c) Explain use of oat as fodder.
 - (d) Write down any two farmer's rights
 - (e) Define the term geographical indication.
 - (f) What is an industrial design property?
 - (g) Define word Certification marks.

- 3 Answer the following. 14
(a) Write short note on major staple crops of India
(b) Write short note on major pulses of India
- 4 Answer the following. 14
(a) Write notes on forest protection.
(b) Describe the major forest products of Indian forest.
- 5 Answer the following. 14
(a) Explain use of *Trifolium alexandrinum* as fodder resource.
(b) Give significance of grassland management in detail.
- 6 Answer the following. 14
(a) What is Plant Variety? Give a brief out line of Plant Variety Protection Act.
(b) Write the Legislations covering IPRs Act in India.
- 7 Answer the following. 14
(a) Explain distribution of crops in India
(b) Write short note on minor staple crops of India
- 8 Answer the following. 14
(a) Give details of Banni grassland reserve.
(b) Explain use of *Brachiaria mutica* as fodder resource.
- 9 Answer the following. 14
(a) What is afforestation? Describe briefly
(b) Write a short note on Silviculture.
- 10 Answer the following. 14
(a) Write short notes on Salient Features of the Biological Diversity Act - 2002
(b) Write short notes on copyright.