



**PR-003-1144001**

Seat No. \_\_\_\_\_

**M. Sc. (Botany) (Sem. IV) (CBCS) (W.E.F. 2016)**

**Examination**

**August - 2020**

**BOT-419 : Plant Resource Utilization &  
Conservation**

*(Core)*

**Faculty Code : 003**

**Subject Code : 1144001**

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

[Total Marks : 70

**1 Answer the following : (Any Seven) 2×7=14**

- (a) Define word certification marks.
- (b) Give the scientific name and family of wheat and rice.
- (c) Explain adaptive characters used by flora in Terai region.
- (d) What does a geographical indication do?
- (e) Define the great green wall of China project.
- (f) What types of fauna are found in the Chari-dand wetland of India?
- (g) Explain nutritive value of *Cenchrus ciliaris*.
- (h) What is weeding and cleaning?
- (i) Give the scientific name and family of cotton and ground nut.
- (j) What are farmers' rights?

**2 Answer the following : (Any Two) 2×7=14**

- (a) Give a note on classification of Indian forest.
- (b) Write a detailed account on major forest product.
- (c) Give a detailed note on afforestation.

3 Answer the following : 2×7=14

- (a) Write the short notes on copyright.
- (b) What is plant variety? Give the brief outline of Plant Variety Protection.

**OR**

- (a) What is traditional knowledge? Write its objectives and reasons for protection.
- (b) What is a patent and why are patents necessary?

4 Answer the following : 2×7=14

- (a) Give a short account on any two oil seeds.
- (b) Write notes on any two minor staple crops of India.

5 Answer the following : (Any Two) 2×7=14

- (a) Explain use of *Brachiaria mutica* as fodder resource.
- (b) Give significance of grassland management in detail.
- (c) What is grassland management by cutting and grazing?
- (d) Explain in detail major grassland reserves of India.

---