



Seat No. _____

HA-003-1134002

M. Sc. (Biotech) (Sem. IV) (CBCS)

(W.E.F. 2016) Examination

April - 2023

**BT-419 : Socio-Economic Aspects & IPR
(Elective)**

Faculty Code : 003

Subject Code : 1134002

Time : $2\frac{1}{2}$ Hours / Total Marks : 70

- 1 Answer the following (Any seven out of Ten, each of 02 marks) **14**
- (1) What is a gene bank?
 - (2) What is IPR?
 - (3) When did the concept of Farmer's Rights first appear?
 - (4) What is agricultural biodiversity?
 - (5) How do farmers get benefits in the cultivation of medicinal plants?
 - (6) What is the importance of plant genetic resources?
 - (7) What is germplasm?
 - (8) What do the words "Patent Pending" Notify?
 - (9) What are genetically modifies animals?
 - (10) What is *in situ* conservation?
- 2 Answer the following : (Any two out of Three, each of 07 marks) **14**
- (a) Write a note on radiation safety.
 - (b) What is *Ex situ* conservation? Discuss.
 - (c) How would you conserve bioresources? Explain.

3 Answer the following (a) & (b) Both are compulsory, each of 07 marks) **14**

(a) Justify the statement “Public debate is important on GMOs”

(b) Write a note on genetically modified plants.

OR

3 Answer the following (a) & (b) Both are compulsory, each of 07 marks) **14**

(a) What are Biosafety regulations and guidelines of developing GMOs?

(b) What precautions do you need to take when you are using GMOs

4 Answer the following : **14**

(a) Write a note on different types of IPR.

(b) What is your argument on patenting of life forms?

5 Answer the following : (Any two out of four, each of 7 marks) **14**

(a) Write a note on breeder’s and farmer’s right.

(b) Write a note on sustainable development.

(c) What are the steps to preserve biodiversity.

(d) What are provisional and complete specifications?
