

Roll No.

(07/21-II)

13713

M. Sc. EXAMINATION

(For Batch 2017 & Onwards)

(Fourth Semester)

ZOOLOGY

ZOO-403

Biosafety, Bioethics and IPR

Time : Three Hours

Maximum Marks : 30

Note : Q. No. 1 is compulsory. Attempt *Four* more questions selecting *one* question from each Unit.

1. Write short notes on the following :

- (a) World Trade Organization
- (b) Germplasm
- (c) Antibiotic Resistance
- (d) Biodiversity
- (e) Trademark.

2×5=10

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P.T.O.

Unit I

2. Give an account of National biosafety policies and related laws. 5
3. Discuss how cross border movement of germplasm is affected and related risks of contamination. 5

Unit II

4. Elaborate in detail the general rules for environmental biosafety in the laboratory. 5
5. Discuss in detail gene flow in natural and artificial ecologies. 5

Unit III

6. Write short notes on the following :
 - (a) GMOs
 - (b) Radiation safety. 2.5×2=5
7. Giving suitable examples discuss the benefits of transgenics to human health and the environment. 5

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Unit IV

8. Give an account of the concept of intellectual property and copyrights. 5
9. Write short notes on the following :
 - (a) Geographical indications
 - (b) Patents. 2.5×2=5

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