

Quadrant IV – Assessment (Module –wise)

Programme: Bachelor of Science (Third Year)

Subject: Zoology

Paper Code: ZOD 104

Paper Title: Animal Biotechnology

Unit: Molecular Techniques (Enzymes and Vectors) in Gene manipulation

Module Name: Restriction enzymes - 3

Name of the Presenter: Preeti Pereira

MCQ

1. The restriction enzyme *Hpa I* is isolated from which microbe?
 - a) *Haemophilus influenzae*
 - b) *Haemophilus parainfluenzae*
 - c) *Haemophilus paracuniculus*
 - d) *Haemophilus haemoglobinophilus*

Completion type (fill-in-the-blanks)

1. Restriction enzymes are isolated from _____.

Short Answer – I (short notes - say 20 to 50 words)

1. Write a note on cleavage patterns of endonucleases.
2. What are the applications of restriction enzymes?

Short Answer – II (extended – say 50 to 100 words)

1. Briefly explain the nomenclature of restriction enzymes.
2. Give an illustrative account of cleavage patterns of restriction endonucleases.