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**EASTERN UNIVERSITY, SRI LANKA**  
**FACULTY OF SCIENCE**  
**SECOND YEAR FIRST SEMESTER EXAMINATION IN SCIENCE – 2008/2009**

**BT 202 – Principles of Microbiology**



Duration: 1 hr  
Answer all questions

- A). How does the genetic recombination process takes place in Bacteria by transduction?
- B). Explain the difference of transduction from;
- a). Conjugation of Bacteria.
  - b). Transformation of Bacteria.

Briefly explain and compare the followings'

- a). Prions and Viroids.
- b). Selective and differential media.
- c). Endospore of Bacteria and Sporangiospore of Fungi.