

2014
(December)

Time : 2 hours

Full Marks : 40

The questions are of equal value.

*Answer any **four** questions.*

(ANIMAL CELL SCIENCE AND TECHNOLOGY)

1. Explain various types of cell culture media for animal cell culture.
2. Write short notes on the following :
 - (a) Culture of lymphocytes
 - (b) Measurement of cell death
3. Briefly describe the primary and established cell lines and also explain cell synchronization.
4. Write short notes on the following :
 - (a) Maintenance of cell culture
 - (b) Scaling up of animal cell culture

5. How animal viral vectors are constructed for gene transfer into cell lines ?
6. Write short notes on the following :
 - (a) Molecular Pharming
 - (b) Therapeutic Proteins
7. What is hybridoma technology. Explain.
8. Write short notes on the following :
 - (a) Tissue engineering
 - (b) Organ Culture

