

2016

Time : 2 hours

Full Marks : 40

The questions are of equal value.

*Answer any **four** questions.*

(MEDICAL BIOTECHNOLOGY)

1. (a) Explain briefly the molecular process of hearing.
(b) Describe the current trends in Molecular Endocrinology.
2. (a) Distinguish between oogenesis and spermatogenesis.
(b) Describe the molecular mechanism of ageing.
3. (a) Give an account of congenital disorders.
(b) Describe the molecular mechanism of Parkinson's disease.

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(Turn over)

4. (a) Describe the status post human genome era.
(b) Describe the steps involved in the production of recombinant antigens and their applications.
5. (a) Describe biotechnology based drugs and therapeutics.
(b) Describe the social and ethical aspects of sex determination.
6. (a) Describe the functional organisation of telomeres.
(b) What are the uses of karyotyping ?



FI – 183/1 (100)

(2)

M. Sc.(IVS) —
Biotech (4.2)