



SE-3705

M. Sc. (Sem. III) (Integrated Biotechnology)

Examination

April / May – 2011

IBT- 605 : Medical Biotechnology

Time : 3 Hours]

[Total Marks : 70

Instructions :

नीचे दशांशवैल निशानीवाणी विगतो उत्तरवडी पर अवश्य क्षभवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
M. Sc. (Sem. 3) (Integrated Biotechnology)

Name of the Subject :
IBT- 605 : Medical Biotechnology

Subject Code No. : 3 7 0 5 Section No. (1, 2.....): NIL

Seat No. :

Student's Signature

1. Figures to the right indicate full marks of the question
2. Draw neat and labeled diagrams whenever necessary
3. Both sections must be written in separate answer books

1 Attempt any two

18

- a) Explain the epidemiology and life cycle of poliovirus
- b) Describe the life cycle of HIV and also comment its diagnosis and treatment
- c) Briefly describe about the tuberculosis diseases

2 Answer any three

18

- a) Define following:
i) B-amyloid plaques, ii) Dementia, iii) Acute flaccid paralysis, iv) Tubercle, v) Miliary tuberculosis, vi) Schizogony
- b) Describe the causes and genetics of Alzheimer's diseases.
- c) State the symptoms, diagnosis and treatment of Huntington's diseases.
- d) Give an account on genetic basis of Parkinson's diseases.

3 Describe any two

18

- a) Monoclonal antibody production.
- b) RNAi as s therapeutic agent.
- c) Interferon production.

4 Write short notes on any two

16

- a) Somatic and germline gene therapy.
- b) PCR in genetic diseases diagnosis.
- c) FISH cytogenetics.