

Code :R7412308

R7

IV B.Tech I Semester(R07) Supplementary Examinations, May/June 2011
CANCER BIOLOGY
(Biotechnology)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. Explain in detail about cell cycle regulation.
2. Write notes on the following:
 - (a) Role of tumor suppressor genes.
 - (b) Different forms of cancers.
3. Write an account of natural history and metabolism of carcinogenesis.
4. Discuss about the principles and mechanism of physical carcinogenesis.
5. Write notes on the following:
 - (a) Retroviruses and Oncogenes.
 - (b) Growth factors related to transformations.
6. Describe briefly about the heterogeneity of metastasis and clinical significances of their invasion.
7. How can we predict the aggressive cancers? Add a note on the advances of the cancer detection.
8. Discuss in detail about different forms of the cancer therapy.
