

Code : R7412308

R07

IV B.Tech I Semester (R07) Supplementary Examinations, May 2012

CANCER BIOLOGY

(Biotechnology)

Time: 3 hours

Max Marks: 80

**Answer any FIVE questions
All questions carry equal marks**

1. Explain in detail about how mutations can cause changes in signaling molecules.
2. Answer the following questions:
 - (a) Cell Cycle Modulation in Cancers.
 - (b) How diet is linked to Cancer.
3. Write an account on the Chemical carcinogenesis and its targets.
4. Explain in detail about the principle involved and mechanism of radiation Carcinogenesis.
5. Answer the following questions:
 - (a) Identification of Otogenesis.
 - (b) Growth factors and their receptors that are Oncogenes.
6. Discuss in detail about the Metastasis cascade and its invasion theory.
7. Explain the methods and advances for the detection of Cancers.
8. Answer the following questions:
 - (a) Chemotherapy merits and demerits.
 - (b) Immunotherapy and its advantages.
