

R07**Code: R7412308**

B.Tech IV Year I Semester (R07) Supplementary Examinations, May 2013

CANCER BIOLOGY

(Biotechnology)

Time: 3 hours

Max. Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. Write about:
 - (a) Regulation of cell cycle.
 - (b) Receptors and signal switches.
2. Discuss about different forms of cancers and modulation of cell cycle in cancer.
3. Explain briefly about chemical carcinogenesis and their targets of carcinogenesis.
4. Write an account on principle and mechanism of physical carcinogenesis.
5. Write short notes on:
 - (a) Retroviruses and oncogenes.
 - (b) Growth factor related to transformations.
6. Discuss:
 - (a) Heterogeneity of metastatic phenotype.
 - (b) Proteinases and tumour cell invasion.
7. Write an essay on the detection mechanism of cancers.
8. Write short notes on:
 - (a) Chemotherapy and its limitations.
 - (b) Immune therapy and its advantages.
