Code No: R05412306 **R05** **Set No. 2**

IV B.Tech I Semester Examinations,November 2010
CANCER BIOLOGY
Bio-Technology

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. How dietary modulation can be used to prevent the cancer progression? [16]
2. Describe the process of haemostasis include examples of disease process. [16]
3. What is a carcinogen? Explain the complete and incomplete carcinogens? [16]
4. What are the sources of energy for external radiation therapy and internal radiation therapy? [16]
5. What are different phases in the cell cycle? Explain the importance of each phase in the growth control of cells? [16]
6. Explain the following radiation cancers:
   (a) Breast
   (b) Thyroid
   (c) Lung
   (d) Leukemia. [4×4 =16]
7. Write short notes on:
   (a) Advances in diagnostic imaging in the dignosis of cancer.
   (b) Cancer evaluation through genomic and proteomic profiling. [8+8]
8. Describe the mechanism that can cause activation of protooncogenes. Illustrate one mechanism with an example of any human cancer. [16]

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Code No: R05412306 **R05** **Set No. 4**

IV B.Tech I Semester Examinations,November 2010
CANCER BIOLOGY
Bio-Technology

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Write short notes on:
   (a) Advances in diagnostic imaging in the dignosis of cancer.
   (b) Cancer evaluation through genomic and proteomic profiling. [8+8]
2. Describe the mechanism that can cause activation of protooncogenes. Illustrate one mechanism with an example of any human cancer. [16]
3. How dietary modulation can be used to prevent the cancer progression? [16]
4. What are different phases in the cell cycle? Explain the importance of each phase in the growth control of cells? [16]
5. Explain the following radiation cancers:
   (a) Breast
   (b) Thyroid
   (c) Lung
   (d) Leukemia. [4×4 =16]
6. Describe the process of haemostasis include examples of disease process. [16]
7. What is a carcinogen? Explain the complete and incomplete carcinogens? [16]
8. What are the sources of energy for external radiation therapy and internal radiation therapy? [16]

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Code No: R05412306 **R05** **Set No. 1**

IV B.Tech I Semester Examinations,November 2010
CANCER BIOLOGY
Bio-Technology

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Describe the mechanism that can cause activation of protooncogenes. Illustrate one mechanism with an example of any human cancer. [16]
2. What are different phases in the cell cycle? Explain the importance of each phase in the growth control of cells? [16]
3. Explain the following radiation cancers:
   (a) Breast
   (b) Thyroid
   (c) Lung
   (d) Leukemia. [4×4 =16]
4. Describe the process of haemostasis include examples of disease process. [16]
5. What is a carcinogen? Explain the complete and incomplete carcinogens? [16]
6. How dietary modulation can be used to prevent the cancer progression? [16]
7. Write short notes on:
   (a) Advances in diagnostic imaging in the dignosis of cancer.
   (b) Cancer evaluation through genomic and proteomic profiling. [8+8]
8. What are the sources of energy for external radiation therapy and internal radiation therapy? [16]

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Code No: R05412306 **R05** **Set No. 3**

IV B.Tech I Semester Examinations,November 2010
CANCER BIOLOGY
Bio-Technology

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. What is a carcinogen? Explain the complete and incomplete carcinogens? [16]
2. What are different phases in the cell cycle? Explain the importance of each phase in the growth control of cells? [16]
3. Describe the process of haemostasis include examples of disease process. [16]
4. Describe the mechanism that can cause activation of protooncogenes. Illustrate one mechanism with an example of any human cancer. [16]
5. Explain the following radiation cancers:
   (a) Breast
   (b) Thyroid
   (c) Lung
   (d) Leukemia. [4×4 =16]
6. What are the sources of energy for external radiation therapy and internal radiation therapy? [16]
7. How dietary modulation can be used to prevent the cancer progression? [16]
8. Write short notes on:
   (a) Advances in diagnostic imaging in the dignosis of cancer.
   (b) Cancer evaluation through genomic and proteomic profiling. [8+8]

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