

2103000206030060
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (SIXTH SEMESTER)
MEDICAL LABORATORY TECHNOLOGY
TOXICOLOGY AND CANCER & TUMOR MARKERS –
LEVEL 3

[Time: As Per Schedule]

[Max. Marks: 50]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination: **BACHELOR OF SCIENCE (SIXTH SEMESTER)**
- b. Name of the Subject: **MEDICAL LABORATORY TECHNOLOGY TOXICOLOGY AND CANCER & TUMOR MARKERS - LEVEL 3**
- c. Subject Code No: **2103000206030060**

2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Answer the following:

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1. What is neoplasma and oncology?
2. Give full form of CEA and give its reference range.
3. Define toxicology and LD₅₀.
4. Define genetic marker and give any two examples of it.

Q.2 Comment or explain ANY TWO of the following: -

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1. Biomarkers still in research.
2. Oncogene and its mechanism of action.
3. Explain monitoring of cyclosporin.

Q.3 Answer ANY TWO of the following:

14

1. Enlist the different carcinogen and explain their role in developing cancer.

2. Enlist the characteristics of tumor markers and explain its different types.
3. Enlist the different tumor markers. Explain any two of the techniques used in their determination.

Q.4 Write short note on ANY TWO of the following:

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1. Method for determining prostate specific antigen.
2. Metabolism and excretion of drugs.
3. Pathophysiology of cancer.
