



RAN - 2103000206030060

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T. Y. B. Sc. (Sem. - VI) Examination April - 2023

Medical Laboratory Technology

IDS : Toxicology and Cancer and Tumor Markers

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

(1)

नीचे दृशविले निशानीवाणी विगतो उत्तरवली पर अवश्य लभवी.

Fill up strictly the details of signs on your answer book

Name of the Examination:

T. Y. B. Sc. (Sem. - VI)

Name of the Subject :

Medical Laboratory Technology IDS : Toxicology and Cancer and Tumor Markers

Subject Code No.: 2103000206030060

Seat No.:

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Student's Signature

- (2) All the questions are compulsory.
- (3) Draw neat and labelled diagrams wherever necessary.
- (4) Figures to the right indicate full marks of the question.

Q. 1. Answer the following:

[08]

1. Define metastasis. Enlist any two methods used in treatment of cancer.
2. Enlist different types of tumor markers which are associated with the detection of ovarian and breast cancer.
3. Give full form for PSA and its normal range.
4. Give two factors for cause of drug therapy.

Q. 2. Comment or Explain ANY TWO of the following:

[14]

1. Describe in detail Pathophysiology of Cancer.
2. Metabolism and excretion of drug
3. Explain the principle, method and procedure for determination of CA 125 II.

Q. 3. Answer ANY TWO of the following: [14]

1. What are oncogenes? Explain some cellular oncogenes.
2. Define Tumor Markers and give its clinical applications.
3. Explain determination of PSA.

Q. 4. Write short note on ANY TWO of the following: [14]

1. Genetic markers.
 2. Explain determination of AFP.
 3. How plasma concentration of drugs and their cellular effects related to one another?
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