Roll No.	Total No. of Pages : 02
Total No. of Questions : 11	
M.Sc Biotech	nology (Sem2)
MOLECULAR CARCI	NOGENESIS & THERAPY
Subject Co	ode:MBT-213
M.Coc	le : 76252
Date of Exam	ination : 23-12-22
Time:3 Hrs.	Max. Marks:70

INSTRUCTIONS TO CANDIDATES :

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains SEVEN questions carrying SIX marks each and students have to attempt any FIVE questions.
- 3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

- 1. Write briefly :
 - a) Oncogenes
 - b) Carcinoma
 - c) Carcinogens
 - d) Transformed cell lines
 - e) Lymphosarcoma
 - f) Chemotherapy
 - g) Cancer Markers
 - h) Tumour Suppressor genes
 - i) Gene Replacement
 - j) Retroviruses

SECTION-B

- 2. Discuss and differentiate between Normal and transformed cell lines.
- 3. Explain Cell cycle regulation and Growth Requirements during Carcinogenesis.
- 4. List important molecular features of Oncogenes.
- 5. Write a note on Human Cancer viruses.
- 6. What is the role of Large T antigen in molecular Carcinogenesis?
- 7. Write a note on chemotherapy in Hodgkin's disease.
- 8. Write a note on Cancer Gene Therapy.

SECTION-C

- 9. Discuss characteristic features of Cancer Cells and factors inducing Carcinogenesis.
- 10. Explain role of Oncogenes, Oncoviruses and Chromosomal abnormalitie in Human Cancers/tumours.
- 11. Deliberate on Primary screening of Antitumour compounds and their application in chemotherapy.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.