

Roll No.

Total No. of Pages : 02

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B.Sc. (Radiotherapy Technology) (Sem.-4)
MOULD ROOM/MOTION MANAGEMENT TECHNIQUES

Subject Code : BSRT409-19

M.Code : 79723

Date of Examination : 19-07-22

Time : 3 Hrs.

Max. Marks : 50

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying ONE marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR 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) What are the advantages of motion reduction?
- b) Explain the principle of breath hold.
- c) Enlist the name of three motion reduction techniques.
- d) What is brachytherapy?
- e) Write a note on mould room.
- f) What is a thermoplastic mould?
- g) Write application of 4DCT in radiotherapy.
- h) Write a short note on shielding.
- i) What is mould?
- j) What is styrofoam cutter?

SECTION-B

2. Write a brief note on fluoroscopy-based tracking.
3. Write principle and working of styrofoam cutter.
4. Write the application of shielding block materials.
5. Write a short note on 4DCT.
6. Describe the role of fluoroscopy-based tracking in the radiotherapy field.

SECTION-C

7. What is mould room? Describe the mould room procedure in detail.
8. Explain the principle, construction, and working of thermoplastic mould.
9. Describe the details about various motion management techniques.

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.