



PAE-5125

Seat No. _____

M. D. (Branch - XV) Examination

July - 2020

Radiotherapy : Paper - IV

(Modern Trends & Recent Advances)

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (1) Write legibly, no marks are given for unreadable material.
(2) Figures to the right indicate full marks.
(3) Answer to the point.
(4) All questions carry equal marks.

- 1 Describe Proton therapy in detail. **20**
- 2 What is SBRT? Discuss current techniques and indications of SBRT. **20**
- 3 Attempt both (a) and (b) **20**
(a) Installation and Commissioning of new Radiotherapy facility.
(b) Alignment and Immobilization.
- 4 Attempt both (a) and (b) **20**
(a) New techniques to optimize radiocurability.
(b) IGRT management of Oligo metastatic Breast cancer.
- 5 Write short notes (any **Four**) **20**
(a) BEV and REV
(b) HIPEC
(c) Evidence based radiotherapy
(d) Percist criteria
(e) Diode detectors.