



BU-5122

Seat No. _____

M. D. Examination

March - 2021

Radiotherapy : Paper - I

(Radiophysics & Applied Basic Science)

Time : Hours]

[Total Marks :

- Instructions** :
- (1) Write legibly.
 - (2) All questions carry equal marks.
 - (3) Attempt all questions.

- 1 Enumerate various beam modifying devices and describe any one of them in detail.
- 2 Describe in brief :
 - (a) Anatomy and lymphate drainage of breast.
 - (b) Anatomy and lymphatic drainage of larynx.
- 3 Write short notes on :
 - (a) Role of proton beam therapy in cancer.
 - (b) Electron beam therapy
- 4 Write short notes on :
 - (a) Percentage depth dose.
 - (b) Bragg peak
 - (c) Pair production of ideal brachytherapy sources
- 5 Write short notes on :
 - (a) LET, RBE, OER
 - (b) Patient immobilisation devices.