



RAF-5123

Seat No. _____

M. D. (Branch - XV) Examination

March - 2019

Radiotherapy : Paper - II

*(Radiodiagnosis, Medicine, Surgery &
Pathology in Relation to Radiotherapy)*

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 question carry equal marks.

- 1 Describe anatomy, lymphatic drainage of larynx. How it plays important role in radiation treatment planning ? Exemplify it with treatment of glottic carcinoma. **20**
- 2 Describe management in a 28 year old man presenting with 2.5×4.0 cm painless mass in right inguinofemoral region. Biopsy reveals nodular sclerosing Hodgkin's Lymphoma. **20**
- 3 What are components of risk stratification in prostate ? Describe steps involved in IMRT planning & treatment execution in carcinoma prostate patients. **20**
- 4 Attempt both (a) and (b) : **20**
 - (a) Describe various fractionation schemes in radiotherapy planning in breast cancer. "Conventional Vs Hypo"
 - (b) Methods of cardiac sparing radiotherapy in carcinoma breast.
- 5 Write short notes on : **20**
 - (a) Imaging modalities in screening of carcinoma breast.
 - (b) Palbociclib
 - (c) Various modifiers to counter associated chemotherapy toxicities.
 - (d) CA 19.9