

QP Code: 102188

Reg. No.:.....

**P.G. Diploma Examinations in Medical Radiotherapy (DMRT)
April 2018**

Paper II – Pathology

Time: 3 hrs

Max marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay: (20)

1. Discuss in detail the pathophysiology of acute and late effect of radiotherapy on various normal tissues in the body and enumerate the concepts on tolerance dose.

Short essays: (8x10=80)

2. Pathology of breast cancer and role of IHC (immunohistochemistry) in the classification and prognostication of breast cancer.
3. Premalignant conditions of oral cavity, with a note on molecular pathogenesis of head and neck malignancies.
4. P53
5. Serum tumour markers
6. Testicular tumours pathology and staging
7. Bloom Richardson grading of tumours and its relevance in management of tumours.
8. Pituitary adenoma
9. Wilms tumour
