

## *Radiotherapy*

### **Syllabus**

The candidates will be expected to possess a sound knowledge of all conditions (including non-malignant diseases) for which recognised treatments include any form of radiation therapy. A good understanding of radiotherapeutic principles and detailed knowledge of all technical procedures is required. The candidate should be able to carry out the prescription, planning and calculation of treatment and should be able to demonstrate the physical principles involved. He/she should be familiar with the detailed organisation of a Radiotherapy Department.

The candidate should be familiar with the medical uses of isotopes for diagnosis or therapy and should be thoroughly familiar with all methods of handling isotopes safely and with methods for protection of medical and nursing personnel and patients. He/she should be familiar with methods of disposal of radioactive wastes.

**NOTE: Please see Clinical Radiobiology Syllabus and Framework Topics.**

### **Recommended Reading List**

- a. Perez CA, and Brady LW. *Principles And Practice of Radiation Oncology*, 4<sup>th</sup> Edition, Lippincott (2003).
- b. Leibel SA, Phillips TL. *Textbook of Radiation Oncology*, 2<sup>nd</sup> Edition, WB Saunders & Co. (2004).
- c. Peckham M, Pinedo H, Veronesi U. *Oxford Textbook of Oncology*, OUP (1995). ISBN: 0192616854
- d. Gunderson L, and Tepper, JE. *Clinical Radiation Oncology*, Churchill Livingstone (2000). ISBN 044307609X
- e. Halperin E. *Paediatric Radiation oncology*. 3<sup>rd</sup> Edition. (1999).
- f. Ang KK, Peters LJ. *Radiotherapy of Head and Neck Cancers: Indications and Techniques*. 1<sup>st</sup> Edition. (1993).
- f. A knowledge of current relevant literature is expected.