RADIOThERAPY
PAPER – I

Time : 3 hours
Max. Marks : 100

Important instructions:
• Attempt all questions in order.
• Each question carries 10 marks.
• Read the question carefully and answer to the point neatly and legibly.
• Do not leave any blank pages between two answers.
• Indicate the question number correctly for the answer in the margin space.
• Answer all the parts of a single question together.
• Start the answer to a question on a fresh page or leave adequate space between two answers.
• Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:
1. a) National Cancer Control program with respect to its aims and implementation. 6
   b) Enumerate the current guidelines for Breast Cancer Screening for women at normal risk of developing cancers. 4


3. a) Enumerate various nodal stations in mediastinum with help of diagram(s). 3
   b) Role of radiotherapy in management of a stage III B non small cell lung cancer. 7

4. Indications, technique with Physics aspect and side effects of total body irradiation. 3+4+3

5. a) What do you understand by a “Tumor Registry” or Cancer Registry? 3
   b) How will you set up such a department in your institution? 5
   c) What are its advantages? 2

6. Identification (diagnosis), pathogenesis and management of tumour lysis syndrome. 3+3+4

7. a) What do you understand by Quality Assurance in Radiotherapy? 5
   b) Explain briefly the areas you will undertake QART. 5

8. a) Necessity of evidence based medicine. 4
   b) How you will assure creation of evidence? 3
   c) What are the follow up methodologies as recommended by IARC (UICC)? 3

9. a) Various phases of clinical trials. 3
   b) Role of phase III clinical trial in oncology. 7

10. Classify ovarian tumours with regards to its pathological presentations. 10

POSSESSION / USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE EXAMINATION HALL.