

**RADIOTHERAPY**

PAPER – I

RTH/D/15/41/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
2.	Anatomy of brain in relation to Radio/Chemotherapeutic management of brain tumours.	10
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

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