

RADIOTHERAPY

PAPER – III

RTH/J/16/41/III

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. Indications of treatment, staging system and chemotherapy schedule of choice in multiple myeloma. 3+4+3
2. Management of: 3+3+4
 - i. Extravasation of chemotherapeutic agent.
 - ii. Radiation induced haemorrhagic cystitis.
 - iii. Hypersensitivity reaction following administration of chemotherapeutic agent.
3. Indications, rationale and schedule of choice for metronomic chemotherapy in head and neck cancer along with expected response rates. 2+2+4+2
4. Indications, dose schedules and results of radiation therapy in osteogenic sarcoma. 2+4+4
5. Indications, dose schedules and results of chemoradiation therapy in gliomas. 2+5+3
6. Indications, dose schedules, technique and results of preoperative radiation therapy in Ca Rectum. 2+2+4+2
7. a) Rationale of combining chemotherapy with radiation in head and neck cancers. 4+6
b) How would you maintain nutrition of these patients during chemoradiation?
8. Classify reticulo-endothelial tumours and role of Radiotherapy in one of them. 5+5
9. a) Classify targeted therapy. 5+5
b) Axitinib.
10. What is gated radiation therapy and what are the malignancies where it has been found useful? 6+4
