

RADIOTHERAPY

PAPER-III

Time: 3 hours
Max. Marks:100

RTH/J/20/41/III

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:

- a) Recent advances in management of high risk carcinoma prostate. 5+5
 - b) Hormone therapy in the management of metastatic prostate cancer.
2. A 50-year-old woman presents with signs of early cord compression and is found to have a lump in the breast. How will you investigate and treat her? 5+5
- a) Etiology of esophageal cancer. 4+6
 - b) Role of neoadjuvant treatment of esophageal cancer.
- a) Anatomy of the parotid gland and pathology of parotid tumours. 5+5
 - b) Role of radiotherapy of malignant parotid tumours.
- a) Various paraneoplastic syndromes of small cell lung cancer (SCLC). 5+5
 - b) Role of PCI and its benefits in SCLC.
- a) Comprehensive Geriatric Assessment. 4+6
 - b) Image based brachytherapy planning in cervical cancer.
- a) Pathology and various pathway of medulloblastoma 5+5
 - b) Modern management of medulloblastoma.
- a) What are the boundaries for contouring external iliac node in IMRT planning of carcinoma of cervix? 5+5
 - b) Interstitial implants used in brachytherapy of carcinoma cervix.
- a) Etiology of oropharyngeal cancer. 4+6
 - b) Modification and recent updates of TNM staging in oropharyngeal cancer.
- a) Staging work up of carcinoma rectum. 5+5
 - b) Current management of carcinoma rectum T3N0M0.
