

RADIOTHERAPY

PAPER – II

RTH/J/15/41/II

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:

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| 1. | a) How will you work up a case of suspected carcinoma of the urinary bladder? b) Multimodality approach in a case of muscle invasive urethelial carcinoma bladder T ₂ N ₀ M ₀ . | 4+6 |
| 2. | a) Anatomy & lymph drainage of the testes. b) Diagnostic workup in a case of suspected testicular mass. c) Staging classification of testicular cancer and management of a case of pure seminoma Stage II B. | 2+2+(2+4) |
| 3. | a) Histopathological classification of Carcinoma Endometrium. b) Staging of endometrial carcinoma. c) Management options for a post operative endometrial carcinoma Stage IIC2 in a 62 year old lady with Type II diabetes and obesity. | 2+2+6 |
| 4. | a) Anatomy and lymph drainage of the uterine cervix. b) Role of radiotherapy in the management of early stage cancer cervix and indications for post operative adjuvant treatment. c) Management of a 40 year old lady Stage IB, with post operative squamous cell carcinoma with positive pelvic and para aortic nodes. | 3+4+3 |
| 5. | a) Multimodality management of bilateral retinoblastoma b) Present status of Radiotherapy in the management of retinoblastoma and radiation tolerance of ocular structures. | 3+(4+3) |
| | | P.T.O. |

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| 6. | a) Pathological classification of Hogkin's lymphoma. b) Various chemotherapeutic drug combinations used in the current management of Hogkin's lymphoma. c) Role of radiotherapy in the management of favourable prognosis Stage I to II A classic Hodgkin's lymphoma. | 3+4+3 |
| 7. | Indications of radiotherapy, techniques of treatment planning and the long term sequelae of treatment in Neuroblastoma. | 2+4+4 |
| 8. | a) Role of concurrent chemoradiotherapy for locally advanced oropharyngeal cancer with the available evidence. b) Acute and late toxicities of chemoradiotherapy and how to minimize them. c) Role of targeted therapy. | 3+4+3 |
| 9. | a) Combined modality management in a case of Non small cell carcinoma lung of left superior sulcus T ₃ N ₀ M ₀ . b) Radiotherapeutic techniques, dose constraints to the organs at risk and management of tumor motion. | 3+(3+2+2) |
| 10. | a) Rationale and classification of hormone therapeutic agents in the management of carcinoma breast. b) Present day role and methods of ovarian suppression in carcinoma breast. . c) What do you understand by primary/secondary/tertiary ovarian function intervention? | 4+3+3 |
