

**RADIOTHERAPY****PAPER-II**

Time: 3 hours

RTH/J/19/41/II

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. Role of Radiotherapy in non-small cell lung cancer (NSCLC) – in radical, postoperative and palliative setting. 10
2. a) Early and late effects of radical course of radiation in head and neck malignancies. 5+5  
b) Management of the acute, subacute and late radiation toxicities.
3. a) Staging and prognostic factors of Wilms' tumour. 4+6  
b) Management of Wilms' tumour.
4. Stage-wise management algorithm of endometrial cancers along with relevant/practice changing evidence in literature. 10
5. a) Etiology and staging of nasopharyngeal carcinoma. 3+7  
b) Management of a male patient of 42 year of age with stage T<sub>2</sub>N<sub>1</sub>M<sub>0</sub> of nasopharyngeal carcinoma.
6. APBI- rationale, indications, techniques and dose schedule. 2.5x4
7. a) Advantages and disadvantages of two field versus four field radiation in cancer cervix with schematic diagram. 5+5  
b) Lymphatic trapezoid of Fletcher.
8. a) Describe FIGO 2018 staging of carcinoma of cervix. 5+5  
b) High risk CTV and intermediate risk CTV in image based brachytherapy in carcinoma of cervix.
9. a) Histopathological features of different types of Hodgkin's lymphoma. 5+5  
b) Pre-treatment work up and staging in case of Hodgkin's lymphoma.
10. a) Ovarian ablation 4+3+3  
b) Palbociclib  
c) Fulvestrant

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