

RADIOTHERAPY

PAPER-II

RTH/J/19/41/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:

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 T₂N₁M₀ 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
