

**M.Ch. – GYNAECOLOGICAL ONCOLOGY**

**Paper II – RADIATION AND MEDICAL ONCOLOGY IN  
GYNAECOLOGIC CANCERS**

*Q.P. Code: 181962*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Enumerate the criteria for diagnosis and Indications for chemotherapy in GTN. Give the revised FIGO scoring and elaborate management of Low risk Non metastatic GTN.
2. Explain in detail the Principles, technique, Indications, Contraindications, Efficacy and Complications of different types of Brachytherapy in Carcinoma cervix.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Bragg's peak ad proton beam therapy.
2. Response evaluation criteria in solid tumors.
3. Radiation sensitizers.
4. Bevacizumab in carcinoma ovary.
5. Radiation tolerance of pelvic organs and complications of pelvic radiotherapy.
6. Liposomal doxorubicin.
7. Granulocyte stimulating therapy.
8. Chemotherapy induced nausea and vomiting.
9. Pressurised intraperitoneal aerosol chemotherapy in carcinoma ovary.
10. Intensity modulated Radiotherapy.

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**I. Elaborate on:** **(2 x 15 = 30)**

1. Discuss the use of external beam radiation for gynaecologic cancers.
2. Discuss the role of intraperitoneal chemotherapy in ovarian cancers.

**II. Write notes on:** **(10 x 7 = 70)**

1. Cellular response to radiation.
2. Computerised dosimetry.
3. Brachytherapy for endometrial cancer.
4. Interstitial applicators.
5. Radiation induced tissue effects.
6. Gompertzian tumour growth.
7. Chemotherapy principles.
8. Dose intensity and Dose density.
9. Gastrointestinal toxicity due to chemotherapy.
10. Carboplatin.

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