

M.Ch. – GYNAECOLOGICAL ONCOLOGY

**Paper I – BASIC SCIENCES AND RECENT ADVANCES IN
GYNAECOLOGIC ONCOLOGY**

Q.P. Code: 181961

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. 22 year old unmarried girl has undergone treatment for Hormone receptor positive Breast Cancer. She is advised adjuvant chemotherapy and Radiotherapy. What are her risks of fertility loss? Explain different options of fertility preservation for her.
2. Explain in detail about Cervical cancer Carcinogenesis. Explain in detail the management options available for stage Ib3 and IIA2 carcinoma cervix and justify with evidence.

II. Write notes on:

(10 x 7 = 70)

1. Apoptosis.
2. Linear energy transfer.
3. Phase III trials.
4. Sentinel node biopsy in carcinoma endometrium.
5. Peritoneal cancer index.
6. Recent concepts in ovarian carcinogenesis.
7. Current role of minimally invasive surgery in carcinoma cervix.
8. ESMO-ESGO criteria for assignment of primary site in Extrauterine serous carcinoma.
9. PORTEC III trial.
10. Odds ratio.

M.Ch. – GYNAECOLOGICAL ONCOLOGY

**Paper I – BASIC SCIENCES AND RECENT ADVANCES IN
GYNAECOLOGIC ONCOLOGY**

Q.P. Code: 181961

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the genetic basis of tumorigenesis and the roles of oncogenes and tumour suppressor genes.
2. Discuss the recent advances in immunotherapy of gynaecologic cancers.

II. Write notes on:

(10 x 7 = 70)

1. Cancer stem cells.
2. Cyclin dependent kinases.
3. Angiogenesis.
4. Tumour markers in non-epithelial ovarian cancers.
5. Magnetic Resonance Imaging.
6. Laparoscopy in early stage ovarian cancer.
7. Brachytherapy principles.
8. PIPAC.
9. Sentinel lymph node mapping.
10. Bacteraemia.
