

(LO 056)

FEBRUARY 2019

Sub. Code: 1801

M.Ch. – SURGICAL ONCOLOGY

Paper I – BASIC SCIENCES AS APPLIED TO SURGICAL ONCOLOGY

Q.P. Code: 181801

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss about the targetable driver mutations in Lung cancer carcinogenesis.
2. Explain the role of signal transduction pathways in oncology.

II. Write notes on:

(10 x 7 = 70)

1. Potential Clinical application of Dendritic cell vaccines in Oncology.
2. Role of Circulating Tumor Cells in Prognostication.
3. Explain the significance of Phase 1 clinical trials in Oncology.
4. Molecular Biology of Ewing's Sarcoma family of tumors.
5. Role of Adoptive cell therapy in Cancer Immunotherapy.
6. The role of Genetic polymorphisms as a potential risk factor in Esophageal cancers.
7. Elaborate on the concept of lead time bias in cancer screening.
8. Discuss the association of Microsatellite Instability and Colorectal carcinomas.
9. Discuss about the Oncologic Applications and Potential toxicities of Interferons.
10. Rural Population Based Cancer Registries in India.
