

[LC 017]

FEBRUARY 2013

Sub: Code:1301

D.M –MEDICAL ONCOLOGY

Paper – I BASIC SCIENCES

Q.P. Code : 161301

Time : 3 hours

Maximum : 100 marks

(180 Min)

I. Elaborate on:

(2x15=30 marks)

- 1 Discuss the role of Tumour markers in cancer with appropriate examples.
- 2 Give details on the role of the immune system in cancer development and discuss the approaches for cancer immunotherapy

II Write notes on:

(10x7marks=70marks)

- 1 Drug induced second malignancies including their management
- 2 Applications of Next generation sequencing in oncology
- 3 Molecular basis, clinical features and management of Li Fraumeni Syndrome
- 4 Indications, contraindications and basic principles of Stereotactic Radiosurgery
- 5 Molecular events involved in apoptosis
- 6 Pulmonary toxicity due to anti-cancer agents
- 7 Management of drug extravasations
- 8 Tyrosine kinase receptors in cancer
- 9 Oncological applications of non-ionizing radiation
- 10 Drugs acting on Topoisomerase including their toxicity
