

(LQ 017)

FEBRUARY 2020**Sub. Code: 1301****D.M. – MEDICAL ONCOLOGY****Paper I – BASIC SCIENCES*****Q.P. Code: 161301*****Time: Three Hours****Maximum: 100 Marks****I. Elaborate on:****(2 x 15 = 30)**

1. Discuss the hallmarks of cancer and its therapeutic implication.
2. Discuss the effect of obesity and physical activity on cancer.

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

1. Proton therapy.
2. Hepatic arterial infusion chemotherapy.
3. Cell cycle check point inhibitors.
4. Type I and Type II error.
5. Pharmacogenomics of drug toxicity.
6. TDM-1
7. Electronic cigarettes.
8. DNA repair mechanisms and therapeutic implication.
9. Steroid refractory GVHD.
10. Genetics of renal cell carcinoma.
