

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0822)

AUGUST 2022

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 briefly the various Clinical response assessment criteria. What are the limitations of these criteria in the molecular targeted therapy assessment.
2. Explain the principles of cancer screening. Briefly describe colorectal cancer screening in High & average risk individual.

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

1. Cancer Genome.
2. FISH and it's clinical applications.
3. Levels of Clinical Evidences.
4. Dietary fibre in cancer prevention.
5. APBI.
6. Indications, types and techniques of Bone marrow transplant.
7. mTOR inhibitors.
8. Genetic counselling.
9. Cell survival curve and its Clinical application in radiation therapy.
10. Techniques of future liver remnant assessment.
