

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

(MCH 0223)

FEBRUARY 2023

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 the principles of PET scan and elucidate two tumours wherein it is of significant use in initial staging.
2. What are Bisphosphonates? Write in detail about their mechanism of action and indications and toxicity.

II. Write notes on:

(10 x 7 = 70)

1. Principle of hypofractionation.
2. Cardiotoxicity and its management
3. Dose dense chemotherapy.
4. Colorectal screening guidelines.
5. Meta-analysis.
6. Single Nucleotide Polymorphism.
7. Carcinogens in tobacco.
8. Sanger sequencing.
9. Risk reducing surgery in Breast cancer.
10. HER2 in gastric cancer.
