

Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – JULY 2016

Time: Three Hours**Max. Marks: 100 Marks**

SURGICAL ONCOLOGY- PAPER –I

QP Code: 9131

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (These questions carry 10 marks each)**10 x 10 = 100 Marks**

1. Describe in detail how Genomic can successfully be exploited to decipher resistance mechanisms in cancer therapy.
2. Name any 5 molecular methods used in oncology and describe the advantages, disadvantages with examples of each one of them.
3. Describe briefly the molecular biology of Hepatitis viruses and pathogenesis of them.
4. Write in detail Radiation biochemistry and the damage it produces on DNA and to the proteins.
5. Write briefly on three main types of analytical studies.
6. How do you genetically modify lymphocytes for use in Adoptive cell therapy for solid tumors?
7. Name the US-Foods and Drugs Administration approved Topoisomerase II inhibitors in clinical use today: write down their clinical indications and major toxicities of each of them.
8. What are Novel anti androgens? Write briefly on any 3 of these agents.
9. Write briefly on
 - a) Kaplan-Meier plot
 - b) Hazzard ratios
 - c) Forest plots
10. Does prostate cancer treatment prevent deaths? Explain with relevant clinical trials.

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