

# Rajiv Gandhi University of Health Sciences

## M.Ch Degree Examination – JULY-2018

**Time: Three Hours****Max. Marks: 100 Marks****Surgical Oncology- PAPER –IV****QP Code: 9134**

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. What are the etiological factors of superior vena caval syndrome? Explain the recent advance in the management of SVC obstruction.
2. Describe the pathogenesis of hyponatremia in cancer. How do you treat them?
3. Explain the role of Radiosurgery for metastatic cancer to Brain.
4. Mention the various Radio protectors. Explain their role as radioprotectors with available evidences.
5. Describe the recent advances in fertility preservation in males.
6. Enumerate the various Neuropharmacologic approaches for relief of cancer pain.
7. What are the general principles of Dynamic contrast enhanced Magnetic Resonance imaging? How is it useful in detecting?  
a) Residual disease b) Predict tumor response.
8. How do you characterize the cancer cell phenotype? Explain the Warburg effect.
9. Explain the role of photodynamic therapy in locally advanced and palliative settings of cancer.
10. Explain in detail the method of calculation of survival curves in clinical trials with relevant diagrams.

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