

**M.Ch. Examination**  
**Branch VI : Surgical Oncology**  
**Paper-I**

**Date : 02-07-2019, Tuesday]**

**[Time : 3 Hours**

**[Max. Marks : 100**

- Instructions :** (1) Figure to the right indicates marks.  
(2) Draw diagram wherever necessary.  
(3) Write legibly.

1. Describe Hallmarks of Cancer in detail. Write a note on therapeutic strategy on Cell Cycle Inhibitors? (20)
  2. What are Oncogenic Viruses? Describe in detail the role of oncogenic virus in causation of various malignancies and therapeutic strategies to control them. (20)
  3. Describe in details the recent advances in the field of the Radiation oncology. (20)
  4. Discuss in detail various types of clinical trials in field of oncology and write briefly on pros and cons of surgical trials. (20)
  5. Write Short notes (4x5)
    - A. Immunotherapy for melanoma
    - B. RECIST Criteria
    - C. Surgical safety checklist
    - D. Prophylactic Cancer Surgery
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Candidate's Seat No : \_\_\_\_\_

**M.Ch. Examination**  
**Branch VI : Surgical Oncology**  
**Paper-II**  
**(Oncology Surgery)**

**Date : 05-07-2019, Friday]**

**[Max. Marks : 100**

**[Time : 3 Hours**

- Instructions :** (1) Figure to the right indicates marks.  
(2) Draw diagram wherever necessary.  
(3) Write legibly.

1. Describe screening methods and guidelines for Breastcancer. Describe various methods to manage screen detected non palpablebreast lesions. **(20)**
  2. What is Genetic Counseling? Describe various risk factors warranting Genetic counseling and components of cancer genetic counseling. **(20)**
  3. Current Management protocols of osteogenic sarcoma. **(20)**
  4. Describe in detail the management of locally advanced gastric cancer. **(20)**
  5. Write Short notes **(4x5)**
    - A. Mediastinum staging in Lung Cancer
    - B. Borderline Resectable Pancreatic cancer
    - C. Growing teratoma syndrome
    - D. Gleason Scoring
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**M.Ch. Examination**  
**Branch VI : Surgical Oncology**  
**Paper-III**  
**(Oncology Surgery)**

**Date : 08-07-2019, Monday]**

**[Max. Marks : 100**

**[Time : 3 Hours**

- Instructions :** (1) Figure to the right indicates marks.  
(2) Draw diagram wherever necessary.  
(3) Write legibly.

1. Describe the Surgical Anatomy of liver. Discuss indications and contra indications of surgery for HCC and types of hepatectomy. (20)
  2. Stage wise multimodality management approach for Laryngeal cancer. (20)
  3. Describe risk factors, staging and principles of management of endometrial cancer and elaborate on various types of hysterectomy. (20)
  4. Discuss in details the sphincter salvage surgical options for rectal cancer. (20)
  5. Write Short notes (4x5)
    - A. Xeroderma Pigmentosum.
    - B. Isolated Limb Perfusion
    - C. Carotid Body tumor.
    - D. Dynamic Risk Stratification of Thyroid cancer
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M.Ch. Examination  
Branch VI : Surgical Oncology  
(Modern Trends & Development in Surgery)  
Paper-IV

Date : 10-07-2019, Wednesday]

[Time : 3 Hours

[Max. Marks : 100

- Instructions : (1) Figure to the right indicates marks.  
(2) Draw diagram wherever necessary.  
(3) Write legibly.

1. Discuss in detail Minimally Invasive Surgical approaches for colorectal cancers along with landmark publications and evidence base. (20)
  2. Describe the indications, Technique ,outcomesand complications of Isolated Limb Perfusion.(20)
  3. Discuss the role of HIPEC in the management of peritoneal surface malignancies (20)
  4. Recent advances in the field of Reconstructive surgery in oncology (20)
  5. Write Short notes (4x5)
    - A. ICG Fluorescence in cancer surgery.
    - B. Percutaneous Endoscopic gastrostomy.
    - C. Intra-operative Radio Therapy.
    - D. Electrochemotherapy.
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