

APRIL - 2001

[KD 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch VII — Surgical Oncology

(Revised Regulations)

Paper II — SURGICAL ONCOLOGY — I

Time : Three hours

Maximum : 100 marks

1. Describe the staging and management of Lymphomas of Gastrointestinal tract. (25)
 2. Describe the etiopathogenesis, diagnosis and staging of Carcinoma of esophagus. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Hurthle cell carcinoma
 - (b) Enchondroma
 - (c) Pleomorphic adenoma
 - (d) Supraglottic Laryngectomy
 - (e) PEG surgery.
-

NOVEMBER - 2001

[KE 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper II — SURGICAL ONCOLOGY — I

Time : Three hours

Maximum : 100 marks

1. Give Lymphatic Anatomy of Stomach. Describe their Biological significances and therapeutic considerations. (25)
 2. Classify Bone Tumors. Describe the management of Ewing Sarcoma of long bone. Add a note on role of surgery. (25)
 3. Write short notes on :
 - (a) S-phase fraction
 - (b) Intra operative Radio therapy
 - (c) Adaptive immuno therapy
 - (d) Proton beam therapy
 - (e) Multi Drug Resistance. (5 × 10 = 50)
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MARCH - 2002

[KG 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper II — SURGICAL ONCOLOGY — I

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. A 45 year old female patient presented with non-cyclical mastalgia left breast. A mammogram showed microcalcification in the UOQ. Discuss management of this patient. (25)
2. Discuss the management of melanoma right calf region. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Antioxidant.
 - (b) Sentinel lymph node.
 - (c) Screening for rectal cancer.
 - (d) Parathyroid adenoma.
 - (e) Angiogenesis.

SEPTEMBER - 2002

[KH 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch VII — Surgical Oncology

(Revised Regulations)

Paper II — SURGICAL ONCOLOGY — I

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. A 45 year old patient presented with enlarged lymph node at level III on the left side of the neck. A primary lesion was not found. Discuss differential diagnosis, investigations and management of this patient. (25)
 2. Discuss management of basal cell carcinoma of forehead. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Ozone and cancer
 - (b) Oral pills
 - (c) Breast cancer screening
 - (d) Mixed parotid tumour
 - (e) T₀N₀M₀ Breast Cancer.
-

APRIL - 2004

[KK 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper II — SURGICAL ONCOLOGY — I

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

A. Essays :

(2 × 15 = 30)

(1) Management of epithelial cancer of ovaries.
Role of second look laparotomy.

(2) Staging and management of extra nodal Non
Hodgkin's Lymphoma. Role of surgery in GI
lymphomas.

B. Short notes :

(10 × 5 = 50)

(1) Morbidity following bilateral Neck dissection
(RND).

(2) Familial cancer syndromes.

(3) Cloacogenic cancer.

(4) Hemicolectomy.

(5) Cranio facial resection.

(6) Intra arterial chemotherapy.

(7) Carcino sarcoma.

(8) Hospice.

(9) Gastro intestinal autonomic nerve tumour.

(10) Implants in surgery.

AUGUST - 2004

[KL 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper II — SURGICAL ONCOLOGY — I

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essays :

(2 × 15 = 30)

(1) Discuss the rationale, different views and approaches in the hormonal management of prostatic cancer.

(2) Discuss ORGAN preserving treatment for laryngeal cancer.

II. Write short notes :

(10 × 5 = 50)

- (a) Interleukin-2.
- (b) Peripheral neuroectodermal tumour.
- (c) Non germinal testicular tumour.
- (d) Parapharyngeal tumour.
- (e) Non-beta cell islet tumours.
- (f) Cancer vaccine.
- (g) Intraocular melanoma.
- (h) Cancer cachexia.
- (i) Intensity modulated radiotherapy.
- (j) Paraneoplastic syndrome.

FEBRUARY - 2005

[KM 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION,

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper II — SURGICAL ONCOLOGY – I

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay : (2 × 15 = 30)

(1) Management of advanced Gastric cancer.

**(2) Principles of limb salvage in extremity soft
tissue sarcomas.**

II. Write briefly on : (10 × 5 = 50)

(a) β HCG

**(b) Complication of the inguinal Block
Dissection**

(c) Chemoembolisation

(d) Acrospiroma

(e) Clarke's staging

(f) Continent ileostomy

(g) Carcinoid syndrome

(h) Hepatoblastoma

(i) GIST

(j) Adamentinoma.

FEBRUARY - 2006

[KO 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper II — SURGICAL ONCOLOGY – I

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

(2 × 15 = 30)

(1) Etiopathogenesis and management of
Non Small Cell Lung Cancer.

(2) Define Neo adjuvant and adjuvant therapies
in cancer. Role of Radiation and Chemo Therapies in
Neo adjuvant treatment and advantages.

II. Short notes :

(10 × 5 = 50)

(a) Non seminomatous germ cell tumor
management

(b) Hemi laryngectomy for cancer larynx

(c) Limb sparing surgery in Osteosarcoma Tibia

(d) MEN syndrome

(e) Chordoma

(f) Carotid body tumors

(g) Staging and management of Wilm's tumor

(h) Management of cancer pain

(i) Klatskin's tumour

(j) Prosthesis in cancer surgery.

AUGUST - 2006

[KP 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper II — SURGICAL ONCOLOGY — I

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

(1) Describe the lymphatic drainage of stomach.
Discuss the extent of lymphadenectomy in carcinoma
stomach. (20)

(2) Discuss the management of metastatic bone
disease. (15)

(3) Discuss nephron-sparing surgery in renal
cell carcinoma. (15)

II. Short notes :

(6 × 5 = 30)

- (a) Management of shoulder girdle sarcomas.
 - (b) Early detection of pancreatic cancer.
 - (c) Complexed prostate specific antigen.
 - (d) ATAC trial.
 - (e) Role of radiopharmaceuticals in the
diagnosis of neuroendocrine tumors.
 - (f) Ocular melanomas.
-

FEBRUARY - 2007

[KQ 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper II — SURGICAL ONCOLOGY — I

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

1. Classify the tumors of the pituitary gland. Describe the symptoms and signs, diagnosis and management of the tumors of the pituitary gland. (20)

2. Describe the histologic classification of epithelial tumors of the uterine cervix. Comprehensive management of stage II and III cervical cancer and their advantages. (15)

3. Discuss the following :

(a) Management of superior sulcus tumors

(b) Second look laparotomy in ovarian cancer

(c) Management of anaplastic carcinoma of thyroid. (5 + 5 + 5 = 15)

II. Short notes : (6 × 5 = 30)

1. Gastrinoma syndrome.

2. Neo adjuvant chemotherapy of squamous cell carcinoma of esophagus.

3. Treatment of adenoid cystic carcinoma of minor salivary glands.

4. Implants in breast cancer surgery.

5. SVC syndrome.

6. Plasma cytoma.

[KR 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper II — SURGICAL ONCOLOGY — I

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay Questions :

(1) Discuss the classification, staging and management of Testicular tumors. (20)

(2) Describe the characteristic features and management of endocrine neoplasm's of the gastrointestinal system. (15)

(3) Discuss the following : (5 + 5 + 5 = 15)

(a) Pathology and management of anal cancers

(b) Paraneoplastic Syndrome

(c) APUDOMAS.

II. Write the following short notes : (6 × 5 = 30)

(a) Discuss inverted papilloma

(b) Treatment of pleural mesothelioma

(c) Management of urothelial malignancies

(d) Role of interferons in cancer

(e) Extra mammary Paget's disease

(f) Combination of radiotherapy and surgery in management of Cancer Cervix.

[KS 057]

Sub. Code : 1802

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper II — SURGICAL ONCOLOGY — I

Q.P. Code : 181802

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Essay questions :

1. Discuss the role of organ conservative therapy in cancer. (20)

2. Discuss clinical presentation and management in detail about gastrointestinal lymphomas. (20)

II. Short notes : (10 × 6 = 60)

(1) Nephron Sparing Surgery for Renal Cell Carcinoma.

(2) Risk stratification in differentiated Thyroid Cancer.

(3) Port site metastasis after laparoscopic surgery for cancer.

(4) GIST.

(5) Endoscopic ultrasonography.

(6) Mandibular preserving surgery in Oral Cancer.

(7) Biophosphanates.

(8) Levels of evidence.

(9) Video Assisted Thoracoscopic Surgery.

(10) Accelerated partial breast irradiation.

August 2008

[KT 057]

Sub. Code: 1802

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch VII – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Discuss the management of laryngeal cancer with special reference to voice preservation.
2. Discuss the surgical management of pancreatic cancer.

II. Write short notes on:

(10 X 6 = 60)

1. Glomus jugulare tumors.
 2. Minor salivary gland tumors.
 3. VATS.
 4. Thymoma.
 5. Functional outcomes of low anterior resection.
 6. Radiation for gastric cancer.
 7. Management of polyposis syndromes of colon.
 8. Nephron sparing surgery.
 9. Robotic surgery for cancer prostate.
 10. Staging of penile cancer.
-

February 2009

[KU 057]

Sub. Code: 1802

**M.Ch. DEGREE EXAMINATIONS
(Higher Specialities)
(Revised Regulations)**

**Branch VII – Surgical Oncology
Paper II – SURGICAL ONCOLOGY - 1
Q.P. Code: 181802**

Time: Three hours

Maximum: 100 Marks

**ANSWER ALL QUESTIONS
Draw suitable diagrams wherever necessary.**

I. Essays:

2 x 20 = 40 Marks

1. Discuss the diagnosis and management of poorly differentiated carcinoma of unknown origin.
2. Discuss the current trends in the management of Prostate cancer.

II. Write short notes on:

10 X 6 = 60 Marks

1. APUDOMA.
2. Management of CIN III.
3. Staging and treatment of Neuroblastoma.
4. I¹³¹ MIBG Scan.
5. Describe Dukes and Jass staging system in rectal cancer.
6. Indications for Emasculation in penile cancer.
7. Second look laparotomy in ovarian cancer.
8. Describe the lymphatic drainage of breast.
9. Discuss on intra arterial chemotherapy in Osteosarcoma.
10. Adenomatous polyp of colon.

August 2009

[KV 057]

Sub. Code: 1802

**M.Ch. DEGREE EXAMINATIONS
(Higher Specialities)
(Revised Regulations)**

**Branch VII – Surgical Oncology
Paper II – SURGICAL ONCOLOGY - 1
Q.P. Code: 181802**

Time: Three hours

Maximum: 100 Marks

**ANSWER ALL QUESTIONS
Draw suitable diagrams wherever necessary.**

I. Essays:

2 x 20 = 40 Marks

1. Compare transhiatal oesophagectomy and transthoracic oesophagectomy in management of operable oesophageal cancer.
2. Discuss decision making factors in patients presenting with spinal metastases. What is the roadmap of work-up? How would you manage a patient if the primary is unknown?

II. Write short notes on:

10 X 6 = 60 Marks

1. Familial medullary thyroid cancer.
2. Cystic pancreatic tumours.
3. Voice rehabilitation after total laryngectomy.
4. Altered fractionation radiation therapy.
5. Mandibular reconstruction.
6. Mediastinoscopy.
7. Management of insulinoma.
8. Core needle biopsy in sarcomas.
9. CA 125.
10. Stage III NSGCT. (Non Seminomatous Germ Cell Tumours)

February 2010

[KW 057]

Sub. Code: 1802

M.Ch. DEGREE EXAMINATIONS

**(Super Specialities)
(Revised Regulations)**

Branch VII – Surgical Oncology

(Common to all candidates)

Paper II – SURGICAL ONCOLOGY - 1

Q.P. Code: 181802

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays:

2 x 20 = 40 Marks

1. Discuss the role management of a 55 year old patient with a pathological fracture of proximal humerus.
2. Discuss all the anus preserving approaches in the management of cancers of the Ano-rectum.

II. Write short notes on:

10 X 6 = 60 Marks

1. Use of LHRH agonists in cancer management.
2. Pharmacokinetic rationale and limitations of regional chemotherapy.
3. Limb salvage surgery in osteogenic sarcoma.
4. Eosinophilic granuloma.
5. RPLND and its modifications.
6. Discuss about premalignant lesions of penis.
7. Discuss inverted papilloma.
8. Pleural mesothelioma.
9. Role of interferon in cancer.
10. Paget's disease.

February 2011

[KY 057]

Sub. Code: 1802

MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS

(Super Specialities)

Branch VII – SURGICAL ONCOLOGY

(Revised Regulations)

Common to all candidates

Paper II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Mention the causes of Haematuria in a 70 year old man and discuss the management of cancer of the urinary bladder.
2. Discuss the investigations and management of follicular Carcinoma thyroid.

II. Write short notes on:

(10 x 6 = 60)

1. NSABP Trials.
2. Staging of Bone Sarcomas.
3. Malignant mesothelioma.
4. Mohs micrographic surgery.
5. Astrocytoma.
6. Retinoblastoma.
7. Myelodysplastic syndrome.
8. Bisphosphonates.
9. Intraperitoneal chemotherapy.
10. Imaging of liver metastasis.

August 2011

[KZ 057]

Sub. Code: 1802

**MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATION
(SUPER SPECIALITIES)**

BRANCH VII – SURGICAL ONCOLOGY

SURGICAL ONCOLOGY - I

Q.P. Code:181802

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

1. Discuss the management of muscle invasive cancer of the Urinary bladder.

11 35 15

2. Discuss the segmental anatomy of the liver and its application in liver resections for cancer.

11 35 15

II. Write notes on :

1. Parapharyngeal tumours.

4 10 7

2. Mandibular split.

4 10 7

3. Laser in oncology.

4 10 7

4. Trichilemmoma.

4 10 7

5. Total mesorectal excision.

4 10 7

6. Gleason's score.

4 10 7

7. Meningioma.

4 10 7

8. Cutaneous manifestations of lung cancer.

4 10 7

9. Nephron sparing surgery.

4 10 7

10. Dysgerminoma.

4 10 7

February 2012

[LA 057]

Sub. Code: 1802

MASTER OF CHIRURGIAE (M.CH) DEGREE EXAMINATION

(SUPER SPECIALITIES)

BRANCH VII – SURGICAL ONCOLOGY

SURGICAL ONCOLOGY - I

Q.P. Code: 181802

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Evaluation and management of extremity soft tissue sarcomas in adults.	16	35	15
2. Discuss about physiology of thyroid gland and etiopathogenesis, pathology, prognostic classification and management of well differentiated thyroid cancer.	16	35	15

II. Write notes on :

1. Carcinoid syndrome.	4	10	7
2. Rotationplasty.	4	10	7
3. Management of nodes in malignant melanoma.	4	10	7
4. Meningioma.	4	10	7
5. Wilms tumor.	4	10	7
6. Brain metastasis.	4	10	7
7. Prognostic and predictive markers in Carcinoma Breast.	4	10	7
8. Primary peritoneal carcinomatosis.	4	10	7
9. Uterine sarcomas.	4	10	7
10. Robotic surgery.	4	10	7

[LB 057]

AUGUST 2012

Sub. Code: 1802

M.Ch – SURGICAL ONCOLOGY
Paper – II SURGICAL ONCOLOGY - I
Q.P. Code: 181802

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Principles of Limb salvage surgery in bony sarcomas and management of osteosarcoma of the proximal tibia.	16	35	15
2. Discuss the etiology, evaluation and management of Malignant pleural effusion.	16	35	15

II. Write notes on :

1. Discuss the classification and management of Tracheostomal stenosis.	4	10	7
2. Discuss the natural history and management of Borderline ovarian tumors.	4	10	7
3. Discuss the rationale and role and Portal vein embolisation prior to hepatic resections.	4	10	7
4. Discuss the association of Hormone replacement therapy and breast cancer.	4	10	7
5. The anatomical importance of the tubercle of Zukerkandl in relation to the recurrent laryngeal nerve.	4	10	7
6. The indication, technique and outcomes of transverse rectus abdominis flap in breast reconstruction.	4	10	7
7. Discuss the indications for Intravesical therapy in urinary bladder cancers.	4	10	7
8. Epidemiology and management of Kaposi sarcoma.	4	10	7
9. Discuss the role of pulmonary function tests in the evaluation of patients prior to thoracic surgery.	4	10	7
10. Discuss the current status and modalities of adjuvant therapy in pancreatic carcinoma.	4	10	7

M.Ch. – SURGICAL ONCOLOGY
Paper – II SURGICAL ONCOLOGY - I
Q.P.Code: 181802

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Surgical anatomy of retroperitoneum and sympathetic plexus and discuss about the types and techniques of retroperitoneal lymphnode dissection.
2. Etiology, relevant anatomy, natural history, patterns of failure, evaluation and management of carcinoma esophagus.

II. Write notes on:

(10X7=70)

1. Indications and surgical steps of partial nephrectomy.
2. Indications, technique and limitations of Transanal endoscopic Micro surgery.
3. Indications, technique and types of Rotationplasty.
4. Discuss about the Prognosis factors in osteosarcoma.
5. Various criteria to risk stratifying well differentiated thyroid cancer.
6. Clinical features, evaluation and management of MEN I syndrome.
7. Enumerate discuss about Hereditary renal cancer syndromes.
8. Evaluation and management of Castrate refractory prostate cancer.
9. Indications, techniques and role of Chromoendoscopy.
10. Use of lasers in cancer treatment.

M.Ch. – SURGICAL ONCOLOGY
Paper – II SURGICAL ONCOLOGY - I
Q.P.Code: 181802

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the WHO classification of Odontogenic tumors and describe conservative and reconstructive surgeries of mandible.
2. Discuss the classification, staging and management of Testicular tumors.

II. Write notes on:

(10X7=70)

1. Paraneoplastic Syndrome.
2. Discuss on Castleman disease.
3. Treatment of pleural mesothelioma.
4. Extra mammary paget's disease.
5. Management of epithelial cancers of ovary.
6. Xeroderma pigmentosa.
7. Early gastric cancer management.
8. Neo adjuvant chemotherapy in NSCLC.
9. Describe Dukes and Jass staging system in rectal cancer.
10. Discuss on intra arterial chemotherapy in Osteosarcoma.

M.Ch. – SURGICAL ONCOLOGY
Paper II – SURGICAL ONCOLOGY - I
Q.P.Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the segmental anatomy of liver in relation to MRI and indications and contraindications of extended hepatectomy in hepatocellular carcinoma.
2. Discuss the diagnosis and management of poorly differentiated carcinoma of unknown origin in a neck node.

II. Write notes on:

(10 x 7 = 70)

1. Sentinel node biopsy in breast cancer.
2. Staging and treatment of Wilm's tumor.
3. Zollinger Ellison Syndrome.
4. Management of uterine cervical CIN III.
5. Second look laparotomy in ovarian cancer.
6. I¹³¹ MIBG Scan.
7. Management of Gastric lymphoma.
8. Second primary tumors.
9. Desmoid tumors.
10. Staging and management of carcinoma of tongue.

(LI 057)

FEBRUARY 2016

Sub. Code:1802

M.Ch. – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P.Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the role of adjuvant chemotherapy in Extremity soft tissue Sarcomas.
2. Classify tumours of the mediastinum and write in detail about the management of thymomas.

II. Write notes on:

(10 x 7 = 70)

1. Pathological features of synovial sarcomas.
2. Photodynamic therapy.
3. Grading response after neo-adjuvant chemotherapy in osteosarcoma.
4. Alred score.
5. Inflammatory breast cancer.
6. Management of N0 Neck in medullary thyroid cancer.
7. Frey's syndrome.
8. Esthesio-neuroblastoma.
9. Reconstruction of lower eyelid defects.
10. Atypical bronchial carcinoid.

M.Ch. – SURGICAL ONCOLOGY
Paper II – SURGICAL ONCOLOGY - I
Q.P.Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss the diagnosis and management of Locally advanced breast cancer.
2. Discuss the management of bladder cancer and surgical technique of radical cystectomy.

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

1. Glomus tumor.
2. Classification of salivary gland tumors.
3. Discuss on neo-adjuvant chemotherapy in Head and Neck cancers.
4. Perioperative care of a patient with Pheochromocytoma.
5. Indications and morbidity after Emasculation in penile cancer.
6. Management of Wilm's Tumor according to NWTS-4 design.
7. Multicentric cancers and management.
8. Stalpers in Onco surgery.
9. Perioperative care in IVC thrombus in Renal cell carcinoma.
10. Indications of radiotherapy to axilla in breast cancer.

(LK 057)

FEBRUARY 2017

Sub. Code:1802

M.Ch. – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P.Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Define a Solitary Pulmonary Nodule? How do you manage a 55 yr old male diagnosed with Solitary Pulmonary Nodule?
2. Classify Germ cell tumours of the ovary. Discuss management of stage III Mixed germ cell tumour in a 18 yr old girl.

II. Write notes on:

(10 x 7 = 70)

1. Bismuth classification.
2. Treatment of in-transit metastases.
3. Partial nephrectomy technique.
4. Pre-malignant penile lesions.
5. Chemotherapy in Prostate cancer.
6. Adjuvant therapy in pancreatic head cancer.
7. Treatment of gastric lymphoma.
8. Treatment of complex atypical endometrial hyperplasia in young and unmarried.
9. Invasive mole.
10. Secondary cytoreduction in ovarian cancer.

(LL 057)

AUGUST 2017

Sub. Code:1802

M.Ch. – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P.Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the non-operative methods of treating Hepatocellular carcinoma.
2. What is Castration Resistant Prostate Cancer? What are the treatment options available for treatment?

II. Write notes on:

(10 x 7 = 70)

1. Radical trachelectomy – indications and results.
2. Nodal dissection in endometrial cancers.
3. Shoulder girdle resections- classification.
4. Brachytherapy in Soft tissue sarcomas.
5. Treatment of platinum refractory ovarian cancers.
6. Indications and contraindications for HIPEC.
7. MRI in rectal cancers.
8. Dynamic sentinel node biopsy in Penile cancers.
9. Intra-vesical therapy.
10. Surgery in metastatic neuroblastoma.

(LM 057)

FEBRUARY 2018

Sub. Code:1802

M.Ch. – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P.Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify jaw tumours and write in detail about the pathology, clinical features and management of adamantinoma.
2. Write in detail about etio-pathology, clinical features, staging and management of Wilms tumour.

II. Write notes on:

(10 x 7 = 70)

1. Histologic grading of soft tissue sarcomas.
2. Contraindications for limb salvage surgery in Osteo-sarcoma.
3. Lobular cancer in situ.
4. Sleeve resection.
5. Malignant peripheral nerve sheath tumours.
6. Treatment of N0 Neck in Carcinoma tongue.
7. Mediastinoscopy in cancer lung.
8. Thyroid lymphoma.
9. MRI in breast tumours.
10. Bisphosphonates.

(LN 057)

AUGUST 2018

Sub. Code: 1802

M.Ch. – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P.Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail the prognostic factors for cutaneous melanoma.
2. What are the non-epithelial tumours of the breast? Write in detail about the pathology and management of phyllodes tumour.

II. Write notes on:

(10 x 7 = 70)

1. Prognostic factors for Soft tissue sarcoma- local recurrence.
2. IHC scoring for her2-neu.
3. Nodular basal cell carcinoma.
4. Alveolar soft part sarcoma.
5. Shoulder girdle resections.
6. Thymomas.
7. Osteoradionecrosis.
8. Recombinant TSH.
9. Temporal bone resections.
10. PET-CT in breast cancers.

(LO 057)

FEBRUARY 2019

Sub. Code: 1802

M.Ch. – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are the indications for and to what extent is lymphadenectomy indicated in the surgical management of endometrial cancer?
2. Describe the Siewert's classification of Gastro-esophageal junction adenocarcinomas and elaborate on the management options in Siewerts Type III adenocarcinoma.

II. Write notes on:

(10 x 7 = 70)

1. Fundamental Principles of Focussed Ultrasound Surgery.
2. Describe the barriers to Cancer Pain management.
3. Management strategies for Osteonecrosis of Jaw.
4. Discuss the role of Bladder preservation protocols in the management of muscle invasive urinary bladder transitional cell carcinomas.
5. Management of Intraductal Papillary Mucinous neoplasms of the pancreas.
6. Extent of surgical resection in a localised gall bladder malignancy.
7. Nutritional Assessment of a Cancer Patient.
8. Classify Aromatase inhibitors and briefly discuss its side effects.
9. Role of sub-lobar resections in the management of early lung cancers.
10. Role of prophylactic central compartment neck dissection in the management of well differentiated thyroid cancers.

(LP 057)

AUGUST 2019

Sub. Code: 1802

M.Ch. – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. TNM staging of Bone Sarcoma and management of Ewing's Sarcoma of bone.
2. Classification of mandibular resection and methods of reconstruction.

II. Write notes on:

(10 x 7 = 70)

1. ONG's Procedure.
2. Management of Retroperitoneal nodes in Testicular tumours.
3. Types of Colonic Resections and their anatomic principles.
4. In what way Japanese differ from western countries in managing Stomach cancer?
5. Classification of Thymic tumours.
6. Three field lymphadenectomy.
7. Treatment of locally advanced Renal Cell Carcinoma.
8. Astrocytoma.
9. Management of GIST.
10. Urinary Diversion and its metabolic complications.

(LR 057)

**NOVEMBER 2020
(AUGUST 2020 SESSION)**

Sub. Code: 1802

**M.Ch. – SURGICAL ONCOLOGY
Paper II – SURGICAL ONCOLOGY - I
Q.P. Code: 181802**

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Rehabilitation strategies after management of Head & Neck cancers
2. Risk classification of Germ Cell tumours of Testis and management of stage I tumours

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

1. Management of Stage I Non Small Cell Lung cancer
2. Minor salivary gland tumours
3. Management of clinically node negative cancer penis
4. Parathyroid tumours
5. Surgical management of extremity and truncal soft tissue sarcomas
6. Von Hippel-Lindau disease
7. Types of Pelvic Resections
8. Management of brain stem gliomas
9. Sub sites of oral cavity & local flaps in lip reconstruction
10. Gleason grade

M.Ch. – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the role of nephron sparing surgery in the management of renal cell carcinomas.
2. Describe the classification of maxillectomies along with their various reconstructive options.

II. Write notes on:

(10 x 7 = 70)

1. Management of cervical Intra-Epithelial Neoplasia (CIN) II of the cervix.
2. Role of secondary cytoreduction in ovarian cancers.
3. Association of Myasthenia Gravis and thymic tumors.
4. Classification and management of Tracheal Stomal Stenosis.
5. Role of ventilation perfusion scans in evaluation of pulmonary function.
6. Role of neoadjuvant endocrine therapy in the management of breast cancers.
7. Extra-Colonic manifestations of familial Adenomatosis Polyposis.
8. Contra-Indications in the performance of a marginal Mandibulectomy.
9. Extent of lymphadenectomy in muscle invasive urinary Bladder Carcinomas.
10. Principles of management of Uterine Sarcomas.

M.Ch. – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the clinical features, evaluation and management of muscle Invasive urinary bladder carcinomas.
2. Discuss the classification epithelial ovarian cancer and discuss the philosophy of management of advanced ovarian carcinomas.

II. Write notes on:

(10 x 7 = 70)

1. Management of balantis xerotica obliterans.
2. Discuss about the revised Bathesda criteria for testing of colorectal tumors for microsatellite instability.
3. Enumerate the various complications of central venous catheters.
4. Role of surgery in hereditary diffuse gastric cancers.
5. Evaluation for a parathyroid adenoma.
6. Discuss briefly the role of steroidal aromatase inhibitors in breast cancer management.
7. Discuss the complications following the performance of a total gastrectomy for gastric cancers.
8. Role of surgery in the management of sub-mucous fibrosis.
9. Role of surgery in small cell carcinoma lung.
10. Describe the types of cordectomy in the management of laryngeal cancers.

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

[MCH 0222]

FEBRUARY 2022

Sub.Code :1802

M.Ch. – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Classification, presentation, Risk stratification & management of Gestational trophoblastic cancers.
2. Describe the segmental liver anatomy. Explain the pre operative assessment, Indications& surgical techniques of various types of Major Hepatectomy.

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

1. Types of Laryngectomies& their Indications
2. Burkitts Lymphoma
3. Isolated Limb perfusion
4. CROSS protocol in esophageal cancer
5. MSI testing in colon cancer
6. Short course Radiotherapy for Rectal cancer
7. Neoadjuvant therapy in pancreatic cancer with evidences
8. Carcinoid syndrome
9. Capsule endoscopy
- 10.Klatskin Tumor

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

(MCH 0822)

AUGUST 2022

Sub. Code: 1802

M.Ch. – SURGICAL ONCOLOGY

Paper II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Staging and management of cancers of hypopharynx.
2. Staging and surgical management of renal cell carcinoma.

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

1. Organ preservations strategies in cancer larynx.
2. Temporal bone resection.
3. Orbital exenteration – indications and procedure.
4. Tumours of Vagus nerve and their management.
5. Preparation and procedure of various types of lung resections.
6. Mucosal melanomas.
7. Types and indications of shoulder girdle resections.
8. Meningioma.
9. Enumerate reconstructive options after head and neck cancer resections.
10. Radical prostatectomy – indications, procedure and complications.

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

(MCH 0223)

FEBRUARY 2023

Sub. Code: 1802

M.Ch. – SURGICAL ONCOLOGY

PAPER II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the pathogenesis, evaluation and management of Hereditary and Sporadic Medullary Carcinoma of thyroid.
2. Discuss briefly the principles and technique of HIPEC. Explain the current role of CRS and HIPEC in colorectal and ovarian cancers with evidences.

II. Write notes on:

(10 x 7 = 70)

1. EBUS.
2. Surgical management of early gastric cancer.
3. Management of post operative pancreatic fistula.
4. MALToma.
5. Desmoplastic small round cell tumor.
6. Hereditary colorectal cancer syndromes.
7. Total neoadjuvant therapy in rectal cancers.
8. Role of nuclear imaging in GI bleeding.
9. Askin's Tumor.
10. Role of Liver transplantation in Hepatic malignancies.

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

(MCH 0124)

JANUARY 2024

Sub. Code: 1802

M.Ch. – SURGICAL ONCOLOGY

PAPER II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss the management and reconstruction of Anterior 2/3 Tongue Cancer.
2. Discuss the principles of Limb Salvage Surgery in Bone tumors.

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

1. TIRADS in Thyroid nodules.
2. Complications of Urinary Conduits.
3. Anterior Mediastinal Tumors.
4. Conservative Approach in Renal Cell Carcinoma.
5. Role of Radiotherapy in soft tissue sarcoma.
6. Surgical Management of Parotid Tumors.
7. Etiopathogenesis of Skin Cancers.
8. Etiopathogenesis of Nasopharyngeal Cancer and its manifestations.
9. Transoral Robotic Surgery.
10. Parathyroid tumors – Diagnosis and Management.

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

(MCH 0225)

FEBRUARY 2025

Sub. Code: 1802

M.Ch. BRACH VII – SURGICAL ONCOLOGY

PAPER II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Molecular pathology, clinical features and management of Medullary carcinoma thyroid.
2. Pathology, staging and evaluation of Lung cancer.

II. Write notes on:

(10 x 7 = 70)

1. N staging of oral cancer.
2. Pathology and clinical features of Salivary gland tumors.
3. Targeted therapies in Breast cancer.
4. Surgical principles in STS resection.
5. Induction chemotherapies in head and Neck squamous cell carcinoma.
6. Thymoma management.
7. Management of Giant cell tumor.
8. Nerve monitoring in Head and surgery.
9. Voice rehabilitation in Laryngeal cancer surgery.
10. Types of tongue resection and methods of reconstructions.

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

(MCH 0825)

AUGUST 2025

Sub. Code: 1802

M.Ch. BRANCH VII – SURGICAL ONCOLOGY

PAPER II – SURGICAL ONCOLOGY - I

Q.P. Code: 181802

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

(5+10)

1. a) Pre operative cardio pulmonary assessment prior to major lung resection.
b) Surgical management and complications of cT2N0M0 Non small cell lung cancer.
(5+5+5)
2. a) Surgical approaches to the Nasopharynx.
b) Staging and management of Nasopharyngeal carcinoma.

II. Write notes on:

(10 x 7 = 70)

1. Pros and cons of adjuvant and neoadjuvant strategies in gastric cancer.
2. Classification and management of a post op Pancreatic leak.
3. Small bowel lymphoma.
4. FAP syndrome.
5. Results of D3 Mesocolic excision with 2 trial evidences.
6. TAMIS.
7. Principles of eyelid reconstruction.
8. Prophylactic surgery in MEN syndrome.
9. Techniques to reduce anastomotic leak after LAR.
10. Partial laryngectomy.
