

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.
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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.
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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 Theory : 80 marks
forty minutes

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
forty minutes

Theory : 80 marks

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.

August-2007

[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.

February-2008

[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. Trichileucoma. | 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

(LD 057)

AUGUST 2013

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:

(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.

[LF 057]

AUGUST 2014

Sub. Code: 1802

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

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 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:

(10 x 7 = 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.
