

APRIL - 2001

[KD 058]

Sub. Code : 1803

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch VII — Surgical Oncology

(Revised Regulations)

Paper III — SURGICAL ONCOLOGY — II

Time : Three hours

Maximum : 100 marks

1. Discuss management of non palpable malignant lesions of Breast. (25)
2. Radionucleide scans in oncological practice. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Interleukine-7
 - (b) Thecoma of ovary
 - (c) Xeroderma Pigmentosa
 - (d) Giant cell tumor
 - (e) Endosonogram.

NOVEMBER - 2001

[KE 058]

Sub. Code : 1809

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper III — SURGICAL ONCOLOGY — I

Time : Three hours

Maximum 100 marks

1. Describe the management of carcinoma cervix - II A in a 35 year old lady. (25)
2. Classify myocutaneous flaps based on their Vascular Anatomy. Describe their uses in the reconstructions of perineum. (25)

Write short notes on :

- (a) Breast prosthesis
- (b) Inappropriate ADH syndrome
- (c) Electron Beam Therapy
- (d) Sub ungual melanoma
- (e) Iridium -198.

(5 × 10 = 50)

MARCH - 2002

[KG 058]

Sub. Code : 1805

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper III — SURGICAL ONCOLOGY — II

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the principles of conservative approach to treatment of cancer. (25)
2. Discuss principles of treatment of colon cancer in a patient of Chronic Ulcerative Colitis. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Neoadjuvant Chemotherapy.
 - (b) Photodynamic therapy for oesophageal cancer.
 - (c) Active Immunotherapy.
 - (d) Pain relief in cancer.
 - (e) Breast Care Nurse.

SEPTEMBER - 2002

[KH 058]

Sub. Code : 1803

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch VII — Surgical Oncology

(Revised Regulations)

Paper III — SURGICAL ONCOLOGY — II

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the principles of surgical approach to cancer anal canal. (25)
 2. Discuss breast conserving treatment of breast cancer. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Prognostic factors in pancreatic cancer
 - (b) Laser lumenisation for cancer oesophagus
 - (c) Subungual melanoma
 - (d) Epidermal growth factor
 - (e) Malignant ascitis.
-

APRIL - 2004

[KK 058]

Sub. Code : 1803

B.

Short notes :

(10 × 5 = 50)

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper III — SURGICAL ONCOLOGY — II

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) Classification of Malignant Bone tumours
indications and contra indications of limb conservative
surgery in Osteosarcoma of lower end of femur.
Usefulness of neo adjuvant and adjuvant chemotherapy.

(2) Define APUD Neoplasms. Describe clinical
manifestations, diagnosis and management of APUD
Neoplasms.

- (1) Thyroglobulin.
- (2) Olfactory Neuroblastoma.
- (3) Carcinoma of appendix management.
- (4) Treatment of superficial bladder cancer.
- (5) Superior vena caval syndrome.
- (6) Warthin's tumour.
- (7) Indications for feeding Gastristomy.
- (8) Lynch syndrome.
- (9) Cystosarcoma phylloid.
- (10) Granulosa cell tumour.

AUGUST - 2004

[KL 058]

Sub. Code : 1803

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper III — SURGICAL ONCOLOGY — II

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. Critically evaluate cervical cancer problem in India.

2. Discuss different surgical options available for 2 cm size Malignant Tumour in the central quadrant of breast in 45 years old lady.

II Write short notes on : (10 × 5 = 50)

(1) Group excision of soft tissue sarcoma

(2) Renal manifestations of non renal cancer

(3) Medulloblastoma

(4) Cancer Rehabilitation

(5) Men Type-I

(6) Vinorebeline

(7) Spect scan

(8) Gamma knife

(9) WHO ladder in pain relief

(10) Non-surgical management of liver metastasis.

FEBRUARY - 2005

[KM 058]

Sub. Code : 1803

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper III — SURGICAL ONCOLOGY — II

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 : (2 × 15 = 30)

(1) Describe the surgical management of epithelial ovarian tumors.

(2) Discuss the role, merits and demerits of endoscopic interventions in the management of cancer.

II. Short notes : (10 × 5 = 50)

- (a) Medullary carcinoma of Thyroid.
- (b) MALT Lymphoma.
- (c) Desmoid tumor.
- (d) Risk factors for the development of melanomas.
- (e) Metabolic effects of urinary diversion.
- (f) Parosteal osteosarcoma.
- (g) Total androgen blockade.
- (h) Local resections in carcinoma rectum.
- (i) Moh's Microsurgery.
- (j) Retinoblastoma.

FEBRUARY - 2006

[KO 058]

Sub. Code : 1803

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper III — SURGICAL ONCOLOGY — II

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 : (2 × 15 = 30)

(1) Describe the surgical anatomy of oesophagus lymphatic drainage and numbers for nodes according to Japanese classification. Indications and advantages of two field and three field lymphadenectomy in cancer oesophagus.

(2) Etio pathogenesis and management of cancer prostate. Role of hormonal manipulation in cancer prostate.

II. Short notes : (10 × 5 = 50)

- (a) Radio frequency ablation in cancer
- (b) Medullary carcinoma in thyroid
- (c) Carcinoid tumors
- (d) Principles of management of urothelial malignancy
- (e) Paraplegia due to spinal metastases management
- (f) Neuro blastoma
- (g) RPLND indications and complications
- (h) Lymph nodal mopping in cancer
- (i) Chondro blastoma
- (j) Eosinophilic granuloma.

AUGUST - 2006

[KP 058]

Sub. Code : 1803

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper III — SURGICAL ONCOLOGY — II

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) Define hormone refractory prostate cancer. What are the mechanisms of hormone resistance? Discuss the management. (20)

(2) Describe the anatomy of lung. Discuss the surgery for lung cancer in the elderly. (15)

(3) Discuss the pathology and management of malignant parotid gland tumors. (15)

II. Short notes :

(6 × 5 = 30)

(a) Adjuvant therapy and follow up in medullary carcinoma thyroid.

(b) Palliation in carcinoma oesophagus.

(c) Breast cancer and pregnancy.

(d) Prognostic indications of head and neck cancer.

(e) Platinum refractory testicular germ cell tumor.

(f) Sentinal lymph node in squamous cell carcinoma of oral cavity.

FEBRUARY - 2007

[KQ 058]

Sub. Code : 1803

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper III — SURGICAL ONCOLOGY – II

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. Define Odonto genic tumors. Describe the classification and management of Odonto genic tumors.
(20)

2. Describe the pathogenesis of lung cancer, the stem cell theory proposed by Auerbach. Elaborate on diagnosis and management of NSCLC. (15)

3. Discuss the following

- (a) Paraneoplastic Syndrome
(b) Role of Radical proctatectomy in cancer prostate
(c) Skin sparing mastectomy in breast cancer.
(5 + 5 + 5 = 15)

II. Short notes : (6 × 5 = 30)

1. Chemoprevention of Breast Cancer.
2. Radio Immuno guided surgery in colonic cancer.
3. Classify the skin appendegeal tumours.
4. Nephron sparing surgery on Renal cell carcinoma.
5. Lymphoedema management in cancer.
6. Advantages of staplers in cancer surgery.

[KR 058]

Sub. Code : 1803

M.Ch. DEGREE EXAMINATION.

(Higher specialities)

(Revised Regulations)

Branch VII — Surgical Oncology

Paper III — SURGICAL ONCOLOGY — II

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 questions :

(1) Etiopathogenesis and management of cancer prostate. Role of hormonal manipulation in cancer prostate. (20)

(2) Discuss the pathology, clinical features and management of esophageal cancer. (15)

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

(a) Staging and surgical management of Non small cell lung cancer

(b) Management of Rhabdomyosarcoma of neck

(c) Ganglioneuroblastoma.

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

(a) Write on Eosinophilic granuloma

(b) Discuss on Mycosis fungoides

(c) Second look laparotomy in ovarian cancer

(d) RPLND - Indications and long term complications after surgery

(e) Discuss about pre-malignant lesions of penis

(f) Management of Inflammatory Carcinoma of Breast.

[KS 058]

Sub. Code : 1803

M.Ch. DEGREE EXAMINATION.

(Revised Regulations)

(Higher Specialities)

Branch VII — Surgical Oncology

Paper III — SURGICAL ONCOLOGY — II

Q.P. Code : 181803

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Essay questions :

(1) Discuss the diagnosis, staging and surgical management of Non Small Cell Lung Cancer. (20)

(2) Management of a female patient with Metastatic Breast Cancer. (20)

II. Short notes : (10 × 6 = 60)

(1) Describe Antimetabolites as chemotherapy.

(2) Tikhoff-Lindberg procedure.

(3) Near total thyroidecotmy.

(4) Predictive and prognostic factors in management of Osteogenic Sarcoma.

(5) Reconstructive procedures after surgery for Oral Cancer.

(6) Mohs micrographic technique.

(7) Stage wise management of Wilms Tumours.

(8) PNET.

(9) Describe CO₂ laser and its applications in Cancer treatment.

(10) Cancer cachexia.

August 2008

[KT 058]

Sub. Code: 1803

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch VII – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY – II

Q.P. Code: 181803

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Discuss the classification of extended hysterectomies and their application in the management of cancer of the uterine cervix.
2. Discuss the management of extremity soft tissue sarcomas.

II. Write short notes on:

(10 X 6 = 60)

1. Hormone therapy for breast cancer.
 2. Ovarian conservation in pelvic cancer.
 3. Osteosarcoma of mandible.
 4. Anaplastic cancers of thyroid.
 5. Pelvic lymphadenectomy for endometrial cancer.
 6. PNET.
 7. Pancreatic endocrine tumors.
 8. Neuroblastoma.
 9. Surgical management in lymphomas.
 10. Deep vein thrombosis.
-

February 2009

[KU 058]

Sub. Code: 1803

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

**Branch VII – Surgical Oncology
Paper III – SURGICAL ONCOLOGY – II
Q.P. Code: 181803**

Time: Three hours

Maximum: 100 Marks

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

I. Essays:

2 x 20 = 40 Marks

1. Describe the indications and surgical technique of Radical Cystectomy.
2. Discuss the staging and management of differentiated thyroid cancer.

II. Write short notes on:

10 X 6 = 60 Marks

1. Principles of surgical technique of radical Nephrectomy.
2. Discuss Neo adjuvant chemotherapy in laryngeal cancer.
3. Management of Rhabdomyosarcoma.
4. Stalpers in GI Surgery.
5. Clear cell chondrosarcoma.
6. Principle of surgical technique in RPLND.
7. Management of Wilm's Tumor according to NWTS-4 design.
8. Second primary tumors.
9. Diagnosis and management of carcinoma of Renal pelvis.
10. Gastric lymphoma management.

August 2009

[KV 058]

Sub. Code: 1803

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

**Branch VII – Surgical Oncology
Paper III – SURGICAL ONCOLOGY – II
*Q.P. Code: 181803***

Time: Three hours

Maximum: 100 Marks

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

I. Essays:

2 x 20 = 40 Marks

1. Discuss surgical management and role of intraperitoneal chemotherapy in the management of advanced epithelial ovarian cancer.
2. Discuss differential diagnosis and management of a 20 year old male patient presenting with epistaxis and palpable large bilateral level III cervical lymph nodes.

II. Write short notes on:

10 X 6 = 60 Marks

1. Management of Ewing's sarcoma.
2. Ductal carcinoma in situ.
3. Patient controlled analgesia.
4. Oral leukoplakia.
5. Endoscopic Ultra Sound (EUS).
6. Chemotherapy in lung cancer.
7. Bisphosphonates in metastatic breast cancer.
8. Role of staging laparoscopy in gastro intestinal cancers.
9. Lymphadenectomy for carcinoma stomach.
10. Primary prevention of cervical cancer.

February 2010

[KW 056]

Sub. Code: 1801

M.Ch. DEGREE EXAMINATIONS

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

Branch VII – SURGICAL ONCOLOGY

(Common to all candidates)

Paper I – BASIC SCIENCES AS APPLIED TO SURGICAL ONCOLOGY

Q.P. Code: 181801

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays:

2 x 20 = 40 Marks

1. Discuss cell cycle, Ionising radiation, biological effects of radiation on normal and cancer tissues. Advantages of particle beam therapy.
2. Discuss in detail, the mechanism of action, mechanism of resistance, pharmacology of drug interaction, administration, toxicity and clinical uses of taxanes.

II. Write short notes on:

10 X 6 = 60 Marks

1. What is Photodynamic therapy? Discuss its mechanism and uses in cancer treatment.
2. Targeted chemotherapy.
3. Radio immuno guided surgery.
4. Intensity modulated radiotherapy.
5. Apoptosis and cell proliferation.
6. Pharmacokinetic rationale and limitations of regional chemotherapy.
7. Radiosensitisers.
8. Hyperfractionation.
9. Natural killer cell.
10. Meta analysis.

February 2011

[KY 058]

Sub. Code: 1803

MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS

(Super Specialities)

Branch VII – SURGICAL ONCOLOGY

(Revised Regulations)

Common to all candidates

Paper III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Discuss the investigations and management of soft tissue sarcoma of the thigh in a 16 year old male.
2. Discuss the role of surgery in lymphomas.

II. Write short notes on:

(10 x 6 = 60)

1. Gleason's score in carcinoma prostate.
2. Staging system for epithelial ovarian cancer.
3. BRCA₁ and BRAC₂.
4. AJCC staging of oral cancer.
5. Carcinoid syndrome.
6. Hutchison's melanotic Freckle.
7. Mycosis fungoides.
8. Targeted therapy in cancer.
9. Neuroblastoma.
10. Infection in cancer patient.

August 2011

[KZ 058]

Sub. Code: 1803

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

BRANCH VII – SURGICAL ONCOLOGY

SURGICAL ONCOLOGY - II

Q.P. Code:181803

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. Classification and management of CIN of the Uterine Cervix. | 11 | 35 | 15 |
| 2. Role of Brachy therapy in Cancer. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|---|---|----|---|
| 1. VIPOMA. | 4 | 10 | 7 |
| 2. MEN II. | 4 | 10 | 7 |
| 3. Viral carcinogenesis. | 4 | 10 | 7 |
| 4. Orbital exenterations. | 4 | 10 | 7 |
| 5. Tickoff Linberg procedure. | 4 | 10 | 7 |
| 6. Venous sampling. | 4 | 10 | 7 |
| 7. Split renal function tests. | 4 | 10 | 7 |
| 8. RPLND. | 4 | 10 | 7 |
| 9. Radical surgeries for extremity STS. | 4 | 10 | 7 |
| 10. In transit nodules. | 4 | 10 | 7 |

February 2012

[LA 058]

Sub. Code: 1803

MASTER OF CHIRURGIAE (M.CH) DEGREE EXAMINATION

(SUPER SPECIALITIES)

BRANCH VII – SURGICAL ONCOLOGY

SURGICAL ONCOLOGY - II

Q.P. Code: 181803

**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. Organ preservation strategies in cancer management.	16	35	15
2. Molecular mechanisms in the pathogenesis of colorectal cancer and discuss in detail about Total mesorectal excision.	16	35	15
II. Write notes on :			
1. Segmental anatomy of the liver.	4	10	7
2. Morphological and pathological classification of Carcinoma stomach.	4	10	7
3. Renal cell carcinoma with IVC thrombus.	4	10	7
4. Baretts esophagus.	4	10	7
5. Mediastinoscopy.	4	10	7
6. Ionosing Radiation in carcinogenesis.	4	10	7
7. Surgical palliation.	4	10	7
8. Trans arterial chemoembolisation.	4	10	7
9. Isolated tumor cells and Micrometastasis.	4	10	7
10. Gonadal dysfunction in cancer therapy.	4	10	7

[LB 058]

AUGUST 2012

Sub. Code: 1803

M.Ch – SURGICAL ONCOLOGY
Paper – III SURGICAL ONCOLOGY - II
Q.P. Code: 181803

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. Classification and management of Esophago-gastric junction adenocarcinomas. | 16 | 35 | 15 |
| 2. Discuss the newer targeted therapies in the management of Neuroendocrine carcinomas. | 16 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Pathophysiology and management of Dermatofibrosarcoma protuberans. | 4 | 10 | 7 |
| 2. Staging and management of Osteoradionecrosis of the mandible. | 4 | 10 | 7 |
| 3. Biology and management of Paraosteal osteosarcoma. | 4 | 10 | 7 |
| 4. Karnofsky Performance status scale and its relevance in oncology. | 4 | 10 | 7 |
| 5. Discuss the role of Nicotine replacement therapy in tobacco cessation. | 4 | 10 | 7 |
| 6. Discuss the evaluation and management of Mediastenal seminomas. | 4 | 10 | 7 |
| 7. Management of malignant Spinal cord compression. | 4 | 10 | 7 |
| 8. Discuss the etiology and management of oral submucosal fibrosis. | 4 | 10 | 7 |
| 9. Describe the indications and oncological outcomes of Radical trachelectomy. | 4 | 10 | 7 |
| 10. Discuss the pathophysiology and management of Short bowel syndrome. | 4 | 10 | 7 |

M.Ch. – SURGICAL ONCOLOGY
Paper – III SURGICAL ONCOLOGY - II
Q.P.Code: 181803

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Evaluation, staging and options of management in an adolescent boy with osteosarcoma of the proximal tibia.
2. Etiology, risk factors, evaluation, staging and management and following of well differentiated thyroid cancer.

II. Write notes on:

(10X7=70)

1. Evaluation and management of superior sulcus tumour.
2. Primary surgery vs interval debulking surgery in management of epithelial ovarian cancer.
3. Complications of cystectomy and urinary diversion.
4. Discuss about AIDS related malignancies.
5. Classification, mechanism of action, uses and adverse effects of Bisphosphonates.
6. Evaluation and management of Paragangliomas.
7. Ablative techniques in management of renal tumour.
8. Isolated limb perfusion- technique and uses.
9. Evaluation and management of Gastrinomas.
10. Methods of Voice rehabilitation following laryngectomy.

[LF 058]

AUGUST 2014

Sub. Code: 1803

M.Ch. – SURGICAL ONCOLOGY
Paper III – SURGICAL ONCOLOGY - II
Q. P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the pathology, clinical features, staging and management of Male Breast Cancer.
2. Discuss the classification, staging and management of Tumors of thymus gland.

II. Write notes on:

(10 x 7 = 70)

1. Eosinophilic Granuloma.
2. Management of anal cancers.
3. Diagnosis and staging of carcinoma of unknown primary.
4. Indications of radiotherapy to axilla in breast cancer.
5. Total Mesorectal Excision for cancer rectum.
6. Discuss on Calcitonin.
7. Giant cell tumor of soft tissues.
8. Treatment of anaplastic carcinoma of thyroid.
9. Retinoblastoma.
10. Management of Klatskin's tumor.
