

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 : 1803

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 luminisation 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) Alfactory 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.

[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 mapping 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 Odontogenic tumors. Describe the classification and management of Odontogenic 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 prostatectomy 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 appendageal 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 forty minutes	Theory : 80 marks
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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.

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. 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: **(10X7=70)**

1. Write on 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.

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

Time: Three Hours

Maximum: 100 Marks

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

1. Discuss etiopathogenesis and management of carcinoma of uterine cervix. Emphasize on combination of radiotherapy and surgery.
2. Etio -pathogenesis, diagnosis and management of submucous fibrosis and oral cancer.

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

1. Aromatase inhibitors in breast cancer.
2. Role of Surgery in Ovarian Cancer.
3. Discuss Thyroglobulin in cancer management.
4. Gamma knife in cancer therapy.
5. Treatment of Lobular carcinoma in situ.
6. Biologic response modifiers.
7. Aneurysmal bone cyst.
8. Chemotherapy in osteosarcoma.
9. Dysgerminoma of Ovary.
10. Neuroendocrine tumors of pancreas.

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

Time: Three Hours

Maximum: 100 Marks

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

1. Discuss in detail the natural history, pathology, diagnosis and management of pre-invasive cervical cancers.
2. What are Borderline resectable pancreatic cancers? Discuss their diagnosis and management.

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

1. Radiation therapy for retroperitoneal sarcomas.
2. Genitourinary rhabdomyosarcoma.
3. Pre-malignant penile lesions.
4. Treatment of stage I Seminoma.
5. Carcinosarcoma uterus.
6. Capsule endoscopy.
7. CA – 125 in follow up of epithelial ovarian cancers.
8. Treatment of Barrett's oesophagus.
9. Liver transplantation for hepatocellular carcinoma.
10. Microsatellite instability.

(LJ 058)

AUGUST 2016

Sub. Code:1803

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

Time: Three Hours

Maximum: 100 Marks

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

1. Describe the characteristic features and management of neuro endocrine tumors of the Pancreas.
2. Discuss the option of management in stage I nonseminomatous germ cell tumour of the testis in detail.

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

1. Role of chemoradiation in operable gastric cancers.
2. Interleukin2.
3. Role CD 117 as a tissue marker.
4. Micro invasive cancer therapy.
5. Adult Wilm's Tumor.
6. Ameloblastoma.
7. Intravesical therapy in superficial bladder tumour.
8. Indications of Chemoembolisation.
9. Management of anorectal mucosal melanoma.
10. Celiac ganglionic block in pain relief.

(LK 058)

FEBRUARY 2017

Sub. Code:1803

M.Ch. – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY - II

Q.P.Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the management of a 45 yr old lady with a 6 cm tumour in left breast with 2 cm node in axilla and who also has a solitary metastasis in the lower end of femur?
2. Discuss the management of N 0 neck in oral cavity malignancy.

II. Write notes on:

(10 x 7 = 70)

1. FNAC in thyroid neoplasms.
2. Rehabilitation after bilateral vocal cord palsy.
3. Radiation therapy in Salivary gland tumours.
4. Sarcoma breast.
5. Ovarian suppression in Breast cancers.
6. Accelerated Partial Breast Irradiation.
7. Sleeve resections.
8. Basal breast cancers.
9. Minimally invasive surgery for lung cancers.
10. PETCT in breast cancer staging.

(LL 058)

AUGUST 2017

Sub. Code:1803

M.Ch. – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY - II

Q.P.Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail about the reconstruction of mandibular defects.
2. Management of Locally advanced breast cancers.

II. Write notes on:

(10 x 7 = 70)

1. Interval cancers.
2. Pre malignant oral lesions.
3. Prognostic factors in carcinoma tongue.
4. Selective node dissections in head and neck.
5. HPV positive oro-pharyngeal cancers - management.
6. Treatment of ductal carcinoma in-situ.
7. Sentinel node biopsy after neo-adjuvant chemotherapy in breast cancer.
8. Triple negative breast cancers.
9. Second malignancies in head and neck.
10. MRI in breast oncology.

(LM 058)

FEBRUARY 2018

Sub. Code:1803

M.Ch. – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY - II

Q.P.Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail the incidence, aetiology, pathology, clinical features and management of primary peritoneal cancers.
2. Classify oesophago-gastric junction tumours. Discuss their aetiopathology and management.

II. Write notes on:

(10 x 7 = 70)

1. Dysplastic nervus syndrome.
2. Sacrococcygeal teratoma.
3. Invasive mole.
4. Mammaprint.
5. Treatment of Vaginal intraepithelial neoplasia.
6. Klatskin tumour.
7. Balloon enteroscopy.
8. Horse shoe kidney – implications for oncologist.
9. Micro-invasive cancer cervix.
10. Pathologic complete response in breast cancer.

(LN 058)

AUGUST 2018

Sub. Code:1803

M.Ch. – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY - II

Q.P.Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are gastro-intestinal stromal tumours – Discuss their diagnostic work up, pathology and prognostic factors in detail.
2. What are the long term sequelae of treatment for testicular cancer?

II. Write notes on:

(10 x 7 = 70)

1. Endometrial stromal sarcomas.
2. Hepatoblastoma.
3. Fallopian tube cancer.
4. Glioblastoma multiforme.
5. Neo-adjuvant therapy in muscle invasive bladder cancer.
6. Prophylactic groin dissection in penile cancers.
7. Bosniak classification.
8. Adjuvant therapy for granulosa cell tumours.
9. Small bowel lymphoma.
10. Extended pelvic nodal dissection in prostate cancer.

(LO 058)

FEBRUARY 2019

Sub. Code: 1803

M.Ch. – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe about the principles of management of locally advanced Ovarian cancers and discuss about CHORUS trial.
2. Discuss about genetic disorders in skin cancers.

II. Write notes on:

(10 x 7 = 70)

1. Discuss status of photodynamic therapy in oncology.
2. Role of Endobronchial Ultrasound in the staging for Lung cancers.
3. Discuss about the Paraneoplastic syndromes associated with the Renal Cell Carinomas.
4. Management of Esthesioneuroblastomas.
5. Discuss the surgical issues pertaining to management of Stage V Wilms tumor.
6. Elaborate on the classification and management of Gastric Polyps.
7. Discuss the role of perforator flaps in breast reconstruction.
8. Role of active surveillance in the management of prostate cancers.
9. Role of Magnetic Resonance Imaging (MRI) in the evaluation of breast cancers.
10. Mechanism of Voice production from a Tracheo-esophageal Voice Prosthesis.

(LP 058)

AUGUST 2019

Sub. Code: 1803

M.Ch. – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Breast conservation strategy and oncoplastic techniques.
2. Management of Stage IV Cancer of Cervix.

II. Write notes on:

(10 x 7 = 70)

1. Incidentally detected Adrenal mass.
2. Primary Peritoneal Carcinoma.
3. Role of Retroperitoneal node dissection in Gynaec cancers.
4. Mantle cell lymphoma.
5. Merckel cell carcinoma.
6. Management of High Grade Phylloid's tumour.
7. Adjuvant treatment in ovarian cancer.
8. Modifications in Inguinal node dissections.
9. Sentinel node biopsy in Breast cancer.
10. High risk factors in Endometrial cancer.

(LR 058)

**NOVEMBER 2020
(AUGUST 2020 SESSION)**

Sub. Code: 1803

M.Ch. – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Hereditary thyroid cancers - genetic basis and management
2. Treatment options for Stage I and II cancer cervix

II. Write notes on:

(10 x 7 = 70)

1. Carcinoid tumours
2. Molecular classification of breast cancer
3. Staging & treatment of gestational trophoblastic neoplasia
4. Classifications and staging of Gastric cancer
5. Endoscopic resections of GI cancers
6. Periapillary cancer - staging and management
7. Classification of liver resections
8. Management of germ cell tumours of ovary in high risk subjects
9. Screening for colonic cancer
10. Classification and management of IVC thrombus in Renal cell carcinoma

(MCH 0221)

FEBRUARY 2021

Sub. Code: 1803

M.Ch. – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the aetiology and surgical management strategies in the management of proximal gastric cancers.
2. Management options for high risk organ confined prostate cancers.

II. Write notes on:

(10 x 7 = 70)

1. Surgical consideration in the management of granulosa cell tumors of the ovary.
2. Management options for locally advanced superior sulcus tumors of the lung.
3. Role of intra-vesical mitomycin in urinary bladder cancers.
4. Role of para-aortic lymph node dissection in ovarian cancers and uterine cancers.
5. Role of pulmonary function tests prior to lung cancer surgery.
6. Management of severe hypocalcemia following thyroidectomy.
7. Principles of sub-total temporal bone resection.
8. Role of pre-operative biliary stenting in the management of peri-ampullary tumors.
9. Management of Paget's disease of the breast.
10. Management of Kadish B esthesioneuroblastomas.

(MCH 0821)

AUGUST 2021

Sub. Code: 1803

M.Ch. – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the surgical principles of management of giant cell tumor of the bone.
2. Enumerate and discuss the options of post mastectomy breast reconstruction.

II. Write notes on:

(10 x 7 = 70)

1. Role of surgery in nasopharyngeal cancers.
2. Principles of Mohs micrographic surgery.
3. Complications of intra-vesical Bacilli Calmette-Guerin (BCG) therapy.
4. Pre-requisites for active surveillance in the management of thyroid cancers.
5. Enumerate the various agents used for pleurodesis, its benefits and complications.
6. Role of trans arterial chemo-embolization in the management of liver cancers.
7. Clinical significance of Peritoneal Carcinomatosis Index (PCI) the management of peritoneal surface malignancies.
8. Discuss the pathology and principles of management of paraosteal osteosarcomas.
9. Complications of ilio-inguinal block dissection.
10. Surgical consideration in the management of granulosa cell tumors of the ovary.

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

[MCH 0222]

FEBRUARY 2022

Sub.Code :1803

M.Ch. – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the principles, selection criteria & techniques of various Breast conservation surgical procedures.
2. Discuss briefly the management principles of localized prostate cancer. Explain in detail minimally invasive prostate cancer surgery techniques.

II. Write notes on:

(10 x 7 = 70)

1. DCIS
2. Superficial bladder cancer
3. Radical Trachelectomy
4. Para meningeal RMS
5. Adrenal Incidentaloma
6. Thymic tumor with myasthenia gravis management
7. Management of Bone metastasis
8. Cancer Survivorship
9. Principles in cancer pain management
10. Evaluation of small blue round cell tumor

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

(MCH 0822)

AUGUST 2022

Sub. Code: 1803

M.Ch. – SURGICAL ONCOLOGY

Paper III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

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

1. Discuss about surgical management of pancreatic malignancies.
2. Ablative and embolic therapies for hepatocellular carcinoma.

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

1. Small bowel malignant tumours.
2. Management of metastatic rectal cancer to liver.
3. Prevention strategies for cancer cervix.
4. Surgical management of cancer vulva.
5. Peri operative chemotherapy trials for gastric cancers.
6. Management of middle 1/3 oesophagus cancers.
7. Classifications of hysterectomies with schematic diagram.
8. Mediastinal germ cell tumours.
9. Metastatic breast cancer - principles of management.
10. Partial nephrectomy.

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

(MCH 0223)

FEBRUARY 2023

Sub. Code: 1803

M.Ch. – SURGICAL ONCOLOGY

PAPER III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

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

1. Indication, types, techniques of Retroperitoneal lymph node dissection for testicular tumors. Explain the methods of preserving male sexual function with relevant anatomy.
2. Discuss about assessment of spinal stability and management of spinal metastasis.

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

1. Neuro fibromatosis.
2. Chordoma.
3. Targeted therapy in advanced ovarian cancer.
4. Management of Small Renal tumors.
5. PIPAC.
6. Mediastinal germ cell tumors.
7. Sentinel node biopsy for endometrial cancer.
8. CRPC (Castrate Resistant Prostate Cancer).
9. Prophylaxis of chemotherapy induced vomiting.
10. SVC syndrome.

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

(MCH 0124)

JANUARY 2024

Sub. Code: 1803

M.Ch. – SURGICAL ONCOLOGY

PAPER III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the management of OG junction tumors.
2. Hormonal management of Breast Cancer.

II. Write notes on:

(10 x 7 = 70)

1. Borderline ovarian tumors.
2. Carcinoids of GIT.
3. Neuroendocrine Tumors of Pancreas.
4. Assessment of Pancreatic Resectability.
5. Biomarkers and Prognostication in Breast Carcinoma.
6. Etiopathogenesis and Classification of Endometrial cancer.
7. Trials of D2 Lymphadenectomy in Gastric Cancer.
8. Discuss Total Mesorectal Excision.
9. Role of vaccination in Cancer Cervix Prevention.
10. Klatzkin Tumor.

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

(MCH 0225)

FEBRUARY 2025

Sub. Code: 1803

M.Ch. BRACH VII – SURGICAL ONCOLOGY

PAPER III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the surgical management of Adenocarcinoma of Distal stomach.
2. Discuss the pathology, work up and management of Renal cell carcinoma.

II. Write notes on:

(10 x 7 = 70)

1. Borderline resectable pancreatic carcinoma.
2. Discuss the complications of Cancer Esophagus surgery and its management.
3. Conservative approach in carcinoma urinary bladder.
4. Management of Germ cell tumors of ovary.
5. Short course vs long course RT in Ca Rectum.
6. Primary cytoreduction.
7. Pathology of Hepatocellular carcinoma and its evaluation.
8. Malignant ascites.
9. Discuss Stage II Non Seminomatous Germ cell tumor of testes.
10. Cervical cancer vaccine.

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

(MCH 0825)

AUGUST 2025

Sub. Code: 1803

M.Ch. BRANCH VII – SURGICAL ONCOLOGY

PAPER III – SURGICAL ONCOLOGY - II

Q.P. Code: 181803

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the current status of minimally invasive Surgery in Colorectal Cancer with evidences.
2. Classify ovarian tumors and discuss the management of Germ cell tumors ovary.

II. Write notes on:

(10 x 7 = 70)

1. Cystic neoplasm of Pancreas.
2. Triple negative Breast Cancer.
3. Risk factors for Endometrial Carcinoma and non surgical management.
4. Radiotherapy in Cancer cervix.
5. Exenteration Procedures in Gynecological Cancers.
6. Three field lymphadenectomy in Esophageal Carcinoma.
7. Management of Gall bladder Carcinoma.
8. Response assessment in osteosarcomas.
9. Diagnosis of Hepatocellular Carcinoma.
10. GIST Stomach.
