

MARCH - 1990

248

M.Ch. DEGREE EXAMINATION, MARCH 1990.

(Higher Specialities)

Branch II — Neurosurgery

Part III

OPERATIVE NEUROSURGERY AND RECENT ADVANCES

Time : Three hours.

Answer ALL the questions.

- 1. Describe the surgical technique of exposure of the interpeduncular fossa.**
 - 2. Discuss the present day treatment of supratentorial gliomas.**
 - 3. Write short notes on :**
 - (a) Percutaneous discectomy.**
 - (b) Telemetric monitoring.**
 - (c) Contact laser.**
 - (d) Materials used for cranioplasty.**
 - (e) Slit ventricle syndrome.**
 - (f) Radiosurgery.**
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SEPTEMBER - 1990

248

M.Ch. DEGREE EXAMINATION, SEPTEMBER 1990.

Branch II — Neurosurgery

Part III

**Paper II — OPERATIVE NEUROSURGERY AND RECENT
ADVANCES**

Time : Three hours

Answer ALL the questions.

- 1. Describe the operative approaches to clivus tumours.**
 - 2. Describe the recent advances in treatment of intractable pain.**
 - 3. Write short notes on :**
 - (a) Advantages of microneurosurgery.**
 - (b) Recent antibiotics for postoperative infections.**
 - (c) Autologous adrenal medulla transplant for treatment of Parkinsonism.**
 - (d) Endoscopic neurosurgery.**
 - (e) Hypotensive anaesthesia.**
 - (f) Corpus callosum section in neurosurgical treatment of epilepsy.**
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MARCH - 1991

M.Ch. DEGREE EXAMINATION, MARCH 1991

Branch II Neurosurgery

Part III

**Paper II OPERATIVE NEUROSURGERY AND RECENT
ADVANCES**

Time Three hours

Answer ALL the questions

Mention the commonly used craniotomy scalp incisions. What are the principles in shaping a scalp flap? Discuss the merits of pedicled craniotomy.

Mention the indication of surgery for treatment of epilepsy. Discuss the rationality of different surgical treatments advocated for epilepsy.

Write short notes on

(a) Role of brain stem evoked potentials in diagnosis of acoustic tumour.

(b) Radiosurgery.

(c) Hyponatremia in Neurosurgery.

(d) Aneurysm clips.

(e) Carotid endarterectomy.

MARCH - 1991

6166

(Five Years Course for M.B.,B.S. candidates)

M. Ch. DEGREE EXAMINATION, MARCH 1991

(Higher Specialities)

Branch II — Neurosurgery

Part III

**Paper II — OPERATIVE NEUROSURGERY AND RECENT
ADVANCES**

Three hours.

Answer ALL the questions.

SECTION I

1. Discuss the surgical measures for pain relief.
2. Discuss the complications of surgery for Pituitary tumours. How would you manage post operative diabetes insipidus ?

SECTION II

Write short notes on :

- (a) Management of Brainstem Tumours
- (b) Brain Protection
- (c) Proencephaly
- (d) Surgery for Basilar Artery Aneurysms
- (e) Neural Transplantation
- (f) Psychosurgery.

SEPTEMBER - 1991

352

M.Ch. DEGREE EXAMINATION, SEPTEMBER 1991.

Branch II — Neurosurgery

Part III

Paper II — OPERATIVE NEUROSURGERY AND
RECENT ADVANCES

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. Describe the surgical approach to the interpeduncular fossa. (25 marks)
 2. Discuss the role of patient monitoring in modern neurosurgery. (25 marks)
 3. Write short notes on : (5×10=50 marks)
 - (a) Gamma knife.
 - (b) Anterior approach to odontoid process.
 - (c) Non-surgical treatment of hemifacial spasms.
 - (d) Rapid diagnosis of micro-organisms in neuro-surgical infections.
 - (e) Computers in neurosurgical practice.
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MARCH - 1992

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M.Ch. DEGREE EXAMINATION, MARCH 1992

(Old/New Regulation)

Branch II Neurosurgery

Part III

**Paper II — OPERATIVE NEUROSURGERY AND
RECENT ADVANCES**

Time Three hours, Maximum 100 marks.

Answer ALL the questions

1. Mention the surgical approaches for acoustic tumour. Outline the steps of operation for a medium sized acoustic tumour where a complete removal is contemplated saving 7th nerve function. (25 marks)
2. Discuss the management including indications of surgery in cases of spontaneous intracerebral haematoma (25 marks)
3. Write short notes on : (5 × 10 = 50 marks)
 - (a) Nerve growth factor.
 - (b) Percutaneous thecoperitoneal shunt.
 - (c) Optic nerve glioma.
 - (d) Treatment of traumatic pneumocephalus.
 - (e) Indications of sympathectomy.

MARCH - 1992

6166

(Five Year Course for M.B.,B.S. candidates)

M. Ch. DEGREE EXAMINATION, MARCH 1992.

(Higher Specialities)

Branch II — Neurosurgery

Part III

Paper II — OPERATIVE NEUROSURGERY AND RECENT
ADVANCES

Three hours.

Answer ALL the questions.

SECTION I

Discuss the role of surgery for Epilepsy.

2. Evaluate the different methods of treatment of brain abscess during the various stages of its evolution.

SECTION II

Write short notes on :

- (a) Role of Hypothermia in Neurosurgery
- (b) Intracranial Pressure Monitoring
- (c) Neural Prosthesis
- (d) Recovery after spinal cord injury
- (e) Surgery for Atlanto Axial Subluxation
- (f) Surgery in brachial plexus injury.

SEPTEMBER - 1992

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M.Ch. DEGREE EXAMINATION, SEPTEMBER 1992

Branch II

Part III

**Paper II — OPERATIVE NEUROSURGERY AND
RECENT ADVANCES**

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. Discuss the recent advances in management of lesions of Vascular system in brain. (25 marks)
2. Discuss the merits and demerits of various operative procedures for cervical spondylotic myelopathy. (25 marks)
3. Write short notes on : 5 × 10 = 50 marks
 - (a) Posterior lumbar interbody fusion. (PLIF)
 - (b) Selective rhizotomy for spasticity.
 - (c) Spinal arterio venous malformations.
 - (d) Hormonal evaluation of pituitary tumours.
 - (e) Optic nerve glioma.

MARCH - 1993

1128

M.CH. DEGREE EXAMINATION MARCH, 1993

Branch II - NEURO SURGERY

OLD/NEW REGULATIONS

PART III

OPERATIVE NEUROSURGERY AND RECENT ADVANCES

Time: Three hours

Maximum: 100 Marks

1. Discuss in detail the anatomical factors that would influence the surgical technique of removal of Elixus meningioma. (25)
2. Discuss the merits and demerits of various approaches to lesions in the posterior third ventricle region.
3. Write short notes on: (5 x 10=50)
 1. Optic nerve decompression
 2. C.T. Guided stereotaxy
 3. LASER in neurosurgery.
 4. Spondylolisthesis
 5. Chemotherapy for medulloblastoma

APRIL - 1994

(Higher Specialities)

Branch II - Neurosurgery

(Old/New Regulations)

Part III

**Paper II - OPERATIVE NEUROSURGERY AND
RECENT ADVANCES**

Three hours.

Max.marks:1

Answer ALL questions.

**Discuss in detail the current advances, and the
status of radiation surgery of the brain.
Describe its clinical applications. (25)**

**Discuss "neural transplantation". Elaborate
its current status and clinical applications(25)**

Write short notes on: (5 x 10 = 50)

a. Endovascular neuroradiology

Carotico-Ophthalmic aneurysms

Gliomas - immunotherapy

The trans-callosal approach

Surgical approaches to Clivus

APRIL - 1995

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch II – Neurosurgery

(Old/New Regulations)

Part III

**Paper II – OPERATIVE NEUROSURGERY AND
RECENT ADVANCES**

Time Three hours

Maximum 100 marks

Answer ALL questions.

1. Discuss in detail the management of brain stem lesions and describe fully the various surgical approaches for brain stem lesions. (25)
2. Describe the microsurgical anatomy of the cavernous sinus. Discuss the surgical approaches to the lesions of the cavernous sinus. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Surgery for Craniocystosis.
 - (b) The "Slit-Ventricle-Syndrome".
 - (c) Hemostatic methods during neurosurgical operations.
 - (d) Normal pressure hydrocephalus.
 - (e) Diphenyl hydantoin.

APRIL - 1996

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**M.Ch. DEGREE EXAMINATION
(Higher Specialities)
Branch II - Neuro Surgery
(Old/New Regulations)**

Part III

Paper II - OPERATIVE NEUROSURGERY AND RECENT ADVANCES

Time: Three hours

Max. marks:100

Answer All Questions

1. **Discuss in detail the surgical management of supratentorial gliomas. (25)**
2. **Discuss the causes of S.A.H. and describe in detail the various methods of management of Aneurysm.(25)**
3. **Write short notes on: (5x10=50)**
 - (a) **Management of Brain abscess**
 - (b) **Victor Horsley**
 - (c) **Neurocysticercosis**
 - (d) **Endoscopic neurosurgery**
 - (e) **Carbamazepine.**

APRIL - 1997

MP 33

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch II - Neuro Surgery

(Revised Regulations)

Part III

Paper II - OPERATIVE NEUROSURGERY AND RECENT
ADVANCES

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss in detail the surgical management of C.P. angle neoplasms. (25)
2. Classify arterio-venous malformations of Brain, mode of presentation and discuss their management. (25)
3. Write briefly on: (5x10=50)
 - (a Management of depressed fracture of skull

Intersulcal approach to deep lesions

Carotid endarterectomy

Walter E.Dandy

Failed back syndrome.

OCTOBER - 1997

MS 20

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch II - Neuro Surgery

(Revised Regulations)

Part III

Paper II - OPERATIVE NEUROSURGERY AND RECENT
ADVANCES

Time: Three hours

Max.marks:100

Answer All questions

1. Discuss the various operative approaches to the prolapsed thoracic disc and the advantages and disadvantages of each approach. (25)
2. Discuss the operative approaches to lesions of the anterior III ventricle with the advantages and disadvantages of each. (25)
3. Write briefly on:

Intravenous anaesthetic agents and intracranial pressure

Jugular venous bulb saturation monitoring in head injury

MRI angiography

Endoscopic Neurosurgery

(e) Hypertensive anaesthesia

APRIL - 1998

SV 38

M.Ch. DEGREE EXAMINATION
(Higher Specialities)
Branch II - Neuro Surgery
(Revised Regulations)

Part III

Paper II - OPERATIVE NEUROSURGERY AND RECENT
ADVANCES

Time: Three hours

Max. marks:100

Answer All Questions

1. Describe the anatomy of ophthalmic segment of internal carotid artery and management of ophthalmic segment aneurysms. (25)
2. Describe the pathogenesis and management of traumatic brain swelling. (25)
3. Write briefly on: (5x10=50)
 - (a) Endocrinological evaluation of a patient of Cushing's syndrome
 - (b) Cerebral ischaemic protective agents
 - (c) Management of low grade gliomas
 - (d) Pre-sigmoid approach to petroclival region
 - (e) Imaging and drug delivery to tumour infiltrated brain.

APRIL - 2000

[KB 035]

Sub. Code : 1572

M.Ch. DEGREE EXAMINATION

Branch II — Neurosurgery

Part III

Paper II — OPERATIVE NEUROSURGERY AND
RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

1. Surgical management of Posterior Third Ventricular tumours. (25)
2. Surgical Management of Subarachnoid haemorrhage following Anterior Communicating artery aneurysm. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Growing fracture of skull.
 - (b) Lumbosacral Spondylolisthesis.
 - (c) Surgery for Parkinson's disease.
 - (d) Gene Therapy.
 - (e) Nerve growth factor.

OCTOBER - 2000

[KC 035]

Sub. Code : 1572

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch II — Neurosurgery

(New and Revised Regulations for Five Years Course)

Part III

Paper II — OPERATIVE NEUROSURGERY AND
RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the merits and demerits of various operative procedures for cervical spondylotic myelopathy. (25)
2. Describe the surgical technique of exposure of the interpeduncular fossa. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Selective rhizotomy for spasticity
 - (b) Gamma knife
 - (c) Anterior approach to odontoid process
 - (d) Advantages of micro neuro surgery
 - (e) Management of low grade gliomas.