

APRIL - 1997

MP 34

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

Paper I - NEURO BASIC SCIENCES

Time: Three hours

Max. marks: 100

Answer All Questions

1. Discuss the pathophysiology and management of diabetes insipidus. (25)
2. Discuss the pathology of developmental brain tumours. (25)
3. Write briefly on: (5x10=50)
  - (a) Petrous apex
  - (b) Ocular fundus
  - (c) Gamma knife
  - (d) Pharmacotherapy of spasticity
  - (e) Descriptive statistics.

APRIL - 1998

SV 39

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch II - Neuro Surgery

(Revised Regulations) 1974

Paper I - NEURO BASIC SCIENCES

Time: Three hours

Max. marks:100

Answer All Questions

Discuss the role of intra-operative neurophysiological monitoring techniques in Neurosurgery. (25)

2. Describe the functional anatomy of the ninth (9th) cranial nerve with its clinical significance. (25)

3. Write briefly on: (5x10=50)

(a) Haemostatic techniques in Neurosurgery

(b) TENS

(c) Pineal gland

Disability evaluation

Bromocriptine.

OCTOBER - 1999

[KA 036]

Sub. Code : 1581

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch II — Neurosurgery

(Revised Regulations)

Paper I — NEURO BASIC SCIENCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the anatomy and neurophysiology of receptor and effector nerve endings. (25)
2. Discuss the microsurgical anatomy of the circle of willis. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Cytokines
  - (b) Gaba
  - (c) Growth hormone
  - (d) Enzymatic tumor markers
  - (e) Monoclonal antibodies

APRIL - 2000

[KB 036]

Sub. Code : 1581

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch II — Neuro-Surgery

(Revised Regulations)

Paper I — NEURO BASIC SCIENCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the microsurgical anatomy of the cavernous sinus. (25)
2. Describe the various mechanisms by which the blood flow to the brain is maintained. Briefly discuss the various compensatory changes that occur whenever there is a fall in the cerebral blood flow. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Surgical anatomy of optic Chiasma and adjoining cisterns.
  - (b) Supratentorial venous drainage.
  - (c) Hypothalamo-Hypophyseal portal system and its clinical importance.
  - (d) Role of pineal gland in circadian cycle
  - (e) Free radicals in cerebral ischemia.

OCTOBER - 2000

[KC 036]

Sub. Code : 1581

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch II — Neurosurgery

(Revised Regulations for 2 Years Course)

Paper I — NEURO BASIC SCIENCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Pathophysiology and Management of Brain oedema. (25)
2. Discuss the production, circulation of C.S.F. and Pathophysiology of congenital hydrocephalus. (25)
3. Short notes on : (5 × 10 = 50)
  - (a) Melatonin
  - (b) Medial longitudinal bundle
  - (c) Amenorrhoea, Galactorrhoea syndrome
  - (d) Brain stem evoke potential
  - (e) Dorsal root entry zone.