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MS[Ophthalmology]

BF/2007/12

Anatomy & Physiology including Optics of the Eye [Paper-I]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

All questions carry equal marks.

1. Anatomy, actions and effects of Paralysis of Superior oblique muscle.
 2. Hypermetropia and its effects on the eye.
 3. Cyclophoria - its causes, measurement and effects.
 4. Meniscus lenses.
 5. Corneal physiology Vis-à-vis Soft/hard Contact lenses. Add a note on Semisoft lenses.
 6. Anatomy of Macula and its clinical significance.
 7. Anatomical and clinical significance of Fluorescein angiography of the Retina.
 8. Physiological basis of antiglaucoma local drugs.
 9. Methods of correction of Myopia.
 10. Aniseikonia - Clinical significance, its measurement and methods of management.
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MS[Ophthalmology]

BF/2007/12

General Ophthalmology including Pathology of the Eye [Paper-II]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Discuss Ocular manifestations and management of Dysthyroid Ophthalmopathy. [30]
 2. Discuss the management of a 8 year child suffering from Convergent Squint. [30]
 3. Write briefly: [40]
 - a. Malignant Glaucoma.
 - b. Intermediate Uveitis.
 - c. Pathogenesis of diabetic retinopathy.
 - d. Pleomorphic adenoma of Lacrimal gland.
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MS[Ophthalmology]
BF/2007/12

Ophthalmic Medicine
[Paper-III]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Discuss the pathogenesis and current concepts in the therapy of Thyroid Orbitopathy. [25]
 2. Discuss the differential diagnosis and management of bilateral Pan Uveitis. [25]
 3. Write briefly on: [50]
 - a. Recent advances in the management of diabetic macular Oedema.
 - b. Papilloedema and head injury.
 - c. Current concepts in management of CRVO.
 - d. Internuclear Ophthalmoplegia.
 - e. Sjogren syndrome.
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MS[Ophthalmology]

BF/2007/12

Surgery and recent advances in Ophthalmology [Paper-IV]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Describe surgical management of a case of Congenital Ptosis.
[25]
 2. Describe indications, procedures & complications of Pars Plana Vitrectomy.
[25]
 3. Write short notes on: [30]
 - a. Management of Posterior capsular Tear during Phaco.
 - b. Deep Anterior Lamellar Keratoplasty.
 4. Write notes on: [20]
 - a. Viscoanalostomy.
 - b. Limbal Stem cell transplantation.
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MS[Surgery]
BF/2007/12

Basic Sciences as applied to Surgery
[Paper-I]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Discuss the anatomy of Veinous drainage of lower limbs. How do you manage a case of Varicose veins with Deep Vein Thrombosis.
[20]
 2. Describe the lymphatic drainage of Stomach. How will you manage advanced Cancer of Stomach with total obstruction.
[20]
 3. **Write short notes on:** [60]
 - a. High Risk infections.
 - b. Fourniers gangrene.
 - c. Critical care of Trauma patients.
 - d. Oncoplastic surgery.
 - e. Support groups in Carcinoma breast patients.
 - f. Universal precautions.
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MS[Surgery]
BF/2007/12

Principles & Practice of Surgery
[Paper-II]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Define Dysphagia - Causes, investigations in detail. Discuss in detail management of Hiatus Hernia. [30]
 2. Discuss in detail Inguinal Hernia repair on evidence based approach. [20]
 3. Write short notes on: [10x5=50]
 - a. Screen detected Breast cancer management.
 - b. Acalculous Cholecystitis.
 - c. Necrotising fascitis.
 - d. Sistrunk's operation.
 - e. Cystic lesions of Pancreas.
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MS[Surgery]
BF/2007/12

Operative Surgery
[Paper-III]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Discuss the principles of management of Carcinoma Penis. Describe the indications, operative steps and complications of ilioinguinal lymph node dissection. [20]
 2. Write notes on: [2x10=20]
 - a. Peritoneal Lavage.
 - b. Gastrojejunostomy.
 3. Describe the operative steps and complications of the following:
 - a. Nephrectomy.
 - b. Superficial Parotidectomy.
 - c. Appendectomy. [3x10=30]
 4. Describe/outline the preoperative preparation for the following:
 - a. Obstructive Jaundice.
 - b. Gastric outlet obstruction.
 - c. Esophagectomy. [3x10=30]
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MS[Surgery]
BF/2007/12

Recent Advances in Surgery
[Paper-IV]

Time : 3 Hours

M.M.: 100

*Note: Attempt all questions.
All questions carry Equal marks.*

1. Inguinal Hernia - prosthetic mesh repairs.
 2. Benefits of robotic assisted surgery.
 3. Catecholamine secreting tumours.
 4. Methods of managing difficult duodenum.
 5. Hepatic resections - new technology.
 6. Infrarenal abdominal aortic aneurysm - recent advances.
 7. Recent therapeutic regimens for rectal cancer.
 8. Acute bacterial Cholangitis.
 9. Minimally Invasive Thyroid surgery.
 10. Limitations of isolated limb perfusion with Chemotherapeutic agents.
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MS[Ear, Nose & Throat]

BF/2007/12

Basic Sciences as related to Ear, Nose & Throat diseases [Paper-I]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Discuss the interior of the Larynx and causes of unilateral Vocal cord paralysis. [30]
 2. Describe the course of Facial nerve and management of Bell's palsy. [30]
 3. **Write short notes on:** [40]
 - a. Cochlear implant.
 - b. Lateral wall of nose.
 - c. Congenital malformations of External and middle ear.
 - d. CO₂ Laser in ENT
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MS[Ear, Nose & Throat]

BF/2007/12

Principles & Practice of Ear, Nose & Throat diseases [Paper-II]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Discuss signs, symptoms, investigations & management of Parapharyngeal mass. [30]
 2. Describe various clinical disorders of Facial nerve. Discuss approaches & procedures for repair of an injured facial nerve. [30]
 3. Write short notes on: [40]
 - a. Retropharyngeal abscess.
 - b. Speech restoration after total Laryngectomy.
 - c. Stygia.
 - d. Laser in Otological surgery.
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MS[Ear Nose & Throat]

BF/2007/12

Operative Surgery & Principles of General surgery as applied to ENT [Paper-III]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Describe the surgical techniques for Ossicular Chain reconstruction.
[25]
 2. Discuss the surgical management of Obstructive sleep apnoea.
[25]
 3. **Write short notes on:**
a. Radiofrequency in E.N.T. [5x10=50]
b. Thyrosplasty.
c. Facial nerve monitoring.
d. Surgical management of Pharyngocutaneous fistula.
e. Bioglue.
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MS[Ear Nose & Throat]

BF/2007/12

Recent advances in ENT diseases

[Paper-IV]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Discuss recent trends in aetio-pathogenesis & management of Laryngeal Papillomatosis. [30]
 2. Write short notes on: [10x4]
 - a. Virtual endoscopy.
 - b. Laryngeal Dysplasia.
 - c. Management of CSF Rhinorrhoea.
 - d. Rhinocerebral Mucormycosis.
 3. What is LASER & what is its effect on human tissue. Discuss application of Laser in E.N.T. [30]
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MS[Orthopaedics]
BF/2007/12

Basic Sciences as related Orthopaedics
[Paper-I]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Describe etiopathogenesis, clinical features & classification of Avascular necrosis of Head of femur. How will you manage a case of Avascular necrosis of Head of femur in a 45 years old male.
[30]
 2. Write short notes on:
a. Hyperparathyroidism. [40]
b. ACL & PCL deficient Knee.
c. Femoral anteversion.
d. Stem cells in orthopaedics.
 3. Write short notes on:
a. Calcitonin. [30]
b. Vascular supply of Talus.
c. Bone regeneration in gap Non Union.
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MS[Orthopaedics]
BF/2007/12

**Principles & Practice of Orthopaedics diseases
& Operative orthopaedics**
[Paper-II]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Describe the pathology, clinical features and treatment for Genu Varum. [30]
 2. Write short notes on: [30]
 - a. Rupture of Tendo Achilles.
 - b. Fracture Patella.
 - c. Cemented femoral stem.
 3. Write notes on: [40]
 - a. Skier's thumb.
 - b. Carpal Tunnel syndrome.
 - c. Psoas abscess.
 - d. Hallux Valgus.
-

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MS[Orthopaedics]

BF/2007/12

Traumatology and its related aspects **[Paper-III]**

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Describe the various classifications of Trochanteric fracture and discuss the management of an unstable Trochanteric fracture in 65 years old man. [30]
 2. Describe the various types of Knee instabilities and discuss the diagnosis and treatment of Posterolateral knee instability in a 25 yrs old young man. [30]
 3. Write short notes on: [40]
 - a. Central Cord syndrome.
 - b. Distraction histogenesis.
 - c. VIC.
 - d. Fat embolism.
-

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MS[Orthopaedics]

BF/2007/12

Recent Advances in Orthopaedics

[Paper-IV]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Discuss the recent advances in Spine surgery. [40]

 2. Write short notes on: [3x10=30]
 - a. Metal on Metal arthroplasty.
 - b. Limb salvage surgery in Musculo-skeletal tumours.
 - c. Locking compression plating.

 3. Write short notes on: [3x10=30]
 - a. Bone Morphogenic proteins.
 - b. Role of imaging in AVN.
 - c. Ponsetti method in treatment of CTEV.
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