

POST-GRADUATE DEGREE (M.D.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

ANAESTHESIOLOGY

PAPER – II

(Clinical Practice of Anaesthesia)

Q.P. Code: 1234

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1.
 - a) Clarify hypertension and explain its pathophysiology.
 - b) Critique the merits and demerits of various techniques employed for hypertensive anaesthesia. (6+14)
2.
 - a) Illustrate the preoperative evaluation and optimization of a patient with bronchial asthma.
 - b) Formulate the plan for anaesthetic management if posted for right upper lobectomy. (10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Explain the cardiovascular changes during pregnancy and relate its anaesthetic considerations.
4. Explain and prepare a plan for management of hyaline membrane disease.
5. Discuss the effects of smoking and appraise its relation in anaesthesia.
6. Outline the oculo cardiac reflex. Appraise its causes and management.
7. Compile the evoked potentials. Explain uses of somatosensory evoked potential.
8. Explain in detail about use and effects of extracorporeal membrane oxygenation.

POST-GRADUATE DEGREE (M.D.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

DERMATOLOGY, VENEREOLOGY AND LEPROSY

PAPER – II

(Dermatology)

Q.P. Code: 1238

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Discuss the differential diagnosis, clinical features, management of a 40 years old man who presents with history of disseminated nodules with fever of 1 month duration. (6+7+7)
2. Discuss the differential diagnosis, clinical features and management of patchy scarring alopecia of recent onset in a 25 year old female patient. (6+7+7)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Diagnosis, differential diagnosis and management of Epidermolysis Bullosa acquisita. (3+3+4)
4. Diagnosis, differential diagnosis and management of Hydradenitis suppurativa. (3+3+4)
5. Chemical sunscreens and their uses. (5+5)
6. Antiandrogens and their uses in dermatology. (5+5)
7. Basal cell carcinoma and its management on the face. (4+6)
8. Diagnosis, clinical features and management of Post kalazar leishmaniasis. (3+3+4)

POST-GRADUATE DEGREE (M.D.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

GENERAL MEDICINE

PAPER – II

(Cardio-vascular system, gastro intestinal system, Hepatobiliary, pancreatic disorders, infectious diseases including tropical medicine)

Q.P. Code: 1242

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Describe the etiopathogenesis, enumerate types clinical features, list the investigations outline the management and complications of heart failure.
(3+2+3+3+4+5)
2. List the etiology of upper gastrointestinal bleeding, discuss the clinical features, investigations treatment and complications of UGI bleed. (4+4+4+4+4)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Clinical features and management of weil's disease. (5+5)
4. Discuss etiopathogenesis, clinical features and management of autoimmune hepatitis. (2+4+4)
5. Discuss clinical features, investigations and management of WPW syndrome. (3+3+4)
6. Discuss clinical features and management of dengue haemorrhagic fever.(5+5)
7. Discuss types, clinical features and management of hepatorenal syndrome. (2+4+4)
8. Discuss JNC-8 guidelines for classifications & management of hypertension. (2+8)

POST-GRADUATE DEGREE (M.D.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

PAEDIATRICS

PAPER – II

(General Paediatrics – I)

Q.P. Code: 1246

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Enumerate the causes of convulsion in a 2 day old neonate. Describe the clinical features, management & long term outcome of hypoglycemia in newborn. (4+13+3)
2. Describe the RNTCP guidelines for management of tuberculosis in children.

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Describe the adverse events following immunization.
4. Discuss mission Indradhanush.
5. Discuss child adoption laws.
6. Discuss the different ventilation strategies for respiratory distress syndrome in newborn.
7. Discuss the management of ABO incompatibility.
8. Discuss the causes & management of Hypocalcemic tetany.

POST-GRADUATE DEGREE (M.D.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

PSYCHIATRY
PAPER – II

Q.P. Code: 1250

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Discuss the management and differential diagnosis of a case of stupor.
(10+10)
2. Classify and briefly describe dementias.
(10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Delirium tremens and its management.
4. Describe schizo affective disorder.
5. Discuss hallucinogen induced psychosis.
6. Discuss in brief drugs and sexual dysfunctions.
7. Write a short note on Consultation Liaison psychiatry.
8. Write in short your concept of psycho-oncology.

POST-GRADUATE DEGREE (M.D.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

RADIO-DIAGNOSIS

PAPER – II

(Cardiovascular system, respiratory system, GIT including hepato biliary, endocrine, chest mammography, lymphatic system, arteriography, phlebograph)

Q.P. Code: 1254

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Explain cardiac MRI its sequences & imaging findings. (10+10)
2. Types and imaging findings in Choledochal cyst. (10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Explain differential diagnosis of cystic in liver.
4. Types and imaging findings in aortic dissection.
5. Classify metastatic tumours of lung. Enumerate the imaging techniques.
6. Describe pulmonary venous hypertension.
7. Explain imaging modalities of thyroid gland.
8. Breast ultrasound. Findings in neoplastic lesions.

POST-GRADUATE DEGREE (M.D.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

RESPIRATORY MEDICINE

PAPER – II

(Non-tubercular Respiratory Diseases)

Q.P. Code: 1258

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Describe in details about pulmonary manifestation of SLE.
2. Describe Paraneoplastic syndromes.

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Discuss ventilator associated pneumonia.
4. Pirfenidone.
5. Discuss Byssinosis.
6. Discuss farmer's lung.
7. Discuss yellow nail syndrome.
8. Discuss role of PET scan in pulmonary disease.

POST-GRADUATE DEGREE (M.S.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

GENERAL SURGERY

PAPER – II

(Head & neck, adrenal gland, breast, thorax, heart and pericardium)

Q.P. Code: 1262

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Discuss the embryological development of human breast. Briefly discuss the various developmental anomalies of the breast. Write a note on the breast reconstruction. (5+10+5)
2. Describe the anatomy of thyroid gland. Describe the etiology, clinical features and management of primary thyrotoxicosis. (5+3+5+7)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Classify fractures of the face. Describe the general principles of management of fractures of the face. (3+7)
4. Describe the etiology clinical features and management of carcinoma of the lip. (2+3+5)
5. What are the causes of epistaxis? Describe how you will manage a case of epistaxis. (3+7)
6. Classify fractures of the ribs. Describe the general principles of managing a patient with fracture ribs. Add a note on pain relief in a patient with fracture ribs. (2+5+3)
7. Write a brief note on etiology, clinical features and management of Pheochromocytoma. (2+2+6)
8. Classify ulcers occurring in the oral cavity. Add a note on their management.

POST-GRADUATE DEGREE (M.S.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

OBSTETRICS AND GYNAECOLOGY

PAPER – II

(Clinical Obstetrics)

Q.P. Code: 1266

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Classify hypertensive disorders of pregnancy. Describe complications and management of case of primigravida with 32 weeks gestation having BP of 160/100 and urine albumin positive. (5+5+10)
2. Define and classify antepartum hemorrhage. Describe management of 35 year multigravida at 34 weeks of gestation with central placenta previa and its complications. (3+3+10+4)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Enumerate the various iron preparations for parental iron therapy. Discuss the calculation of dosage, indications, and advantages of parental iron therapy. (3+2+2+3)
4. Discuss the various tests for antenatal screening of Down's syndrome.
5. Discuss the management of cholestatic jaundice of pregnancy.
6. Discuss the maternal & fetal complications of twin pregnancy. (5+5)
7. Describe the diagnostic criteria of APLA (Anti Phospholipid Antibody) syndrome.
8. Describe the various measures taken for post exposure prophylaxis of HIV in pregnancy.

POST-GRADUATE DEGREE (M.S.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

OPHTHALMOLOGY

PAPER – II

(Clinical Ophthalmology covering diseases of the eye: disorders of conjunctiva, cornea, sclera, uvea, lens, glaucoma, retina, optic nerve and clinical ophthalmology covering diseases of the adnexia: disorders of lids, lacrimal system, orbit)

Q.P. Code: 1270

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Age related macular degeneration (ARMD)-pathogenesis, types and management. write a short note on 'EYLES STUDY' (8+8+4)
2. A 60 year old male has undergone Trabeculectomy for angle closure glaucoma. On POD-1, patient complains chiefly of redness, watering and pain in the operated eye. Slit lamp examination shows shallow, central & peripheral AC depth, elevated IOP, patient Iridectomy. Discuss differential diagnosis and management. (10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Pre perimetric glaucoma diagnostic tests.
4. Describe acute retinal necrosis.
5. Discuss the design of multifocal IOL's.
6. Evaluate Ocular Toxocariasis.
7. Discuss congenital ptosis.
8. Classification and management of Chemical burns. (5+5)

POST-GRADUATE DEGREE (M.S.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

ORTHOPAEDICS

PAPER – II

(General Orthopaedics)

Q.P. Code: 1274

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Classify vertebral fractures and discuss management of dorsolumbar vertebral fractures with paraplegia. (10+10)
2. Discuss the classification and management of epiphyseal injuries. (10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Classify scaphoid fracture, its clinical features and management of scaphoid fracture. (2+3+5)
4. Discuss the etiology, clinical features and management of trigger thumb. (2+3+5)
5. Classify radial head fracture and management modalities.
6. Describe the etiology and management of periprosthetic fractures.
7. Define types blood transfusion and describe briefly about autologous transfusion.
8. Discuss the etiology, clinical features and management of Pott's fracture.

POST-GRADUATE DEGREE (M.S.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

OTORHINOLARYNGOLOGY

PAPER – II

(Otology including recent advances)

Q.P. Code: 1278

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Discuss the causes and management of sudden sensory neural hearing loss (SSNHL). (8+12)
2. Describe in detail about clinical features, bacteriological features, unsafe type of chronic suppurative otitis media (CSOM) and its management. (5+5+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Discuss the indications, techniques & complications of Cochlear implants. (3+4+3)
4. Summarize the clinical evaluation of case of Glomus tumor.
5. Explain the investigations & management of Otitic hydrocephalus.
6. Summarize the clinical application of recruitment in otology.
7. Explain the theories of hearing.
8. Discuss various techniques in management of pre auricular sinus.

POST-GRADUATE DEGREE (M.D.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

PATHOLOGY

PAPER – II

*(Hematology / Clinical Pathology / Cytology / Transfusion Medicine
Recent Advances and applied pathology)*

Q.P. Code: 1214

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Classify leukemia's. Explain current concepts in lab diagnosis of acute leukemias. (8+12)
2. Explain safe and rational use of blood/blood components.

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Explain paroxysmal nocturnal haemoglobinuria (PNH)
4. Explain lab diagnosis of acute pancreatitis.
5. Explain diagnostic significance of physical examination of urine.
6. Explain lab diagnosis of multiple myeloma.
7. Point out cytology evaluation of mesothelial cell proliferation in establishing its diagnosis.
8. Explain idiopathic thrombocytopenic purpura.

POST-GRADUATE DEGREE (M.D.) EXAMINATION – JULY 2020

Time: 3 Hours

Max. Marks: 100

PHARMACOLOGY

PAPER – II

(Systemic Pharmacology – I: Autonomic and central nervous system, cardio vascular systems, respiratory and gastrointestinal systems including diuretics and blood)

Q.P. Code: 1222

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Classify and discuss the various mechanisms of actions of anti-seizure drugs. Add a note on drugs that can causes various types of seizures? (5+10+5)

2. Discuss the pharmacotherapy of anti-angina drugs. Add a note on coronary stealing phenomenon and a historical relevance of discovery of nitrates? (12+4+4)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Enumerate the salient features of Anti-H. Pylori drugs.
4. Discuss the pharmacotherapy of Anti-platelet drugs.
5. Discuss the pharmacotherapy of phosphodiesterase inhibitors.
6. Discuss the pharmacotherapy of Xanthine alkaloids.
7. Discuss the pharmacotherapy of Opioids as analgesics.
8. Discuss the pharmacotherapy of Skeletal Muscle Relaxants.
