

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

Time: 3 Hours

Max. Marks: 100

DERMATOLOGY, VENEREOLOGY AND LEPROSY

PAPER – III

(Venereology and Leprosy)

Q.P. Code: 1239

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 of peripheral neuropathy in an adult male and describe the management of neuropathy in leprosy. (10+10)
2. Discuss the differential diagnosis, clinical features and management of mucopurulent vaginal discharge. (6+6+8)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Indications and adverse effects of Dapsone. (4+6)
4. Differential diagnosis of white plaque on the tongue in a HIV positive man & their management. (5+5)
5. Aetiology, clinical features and management of perianal ulcers in a homosexual male. (2+4+4)
6. Clinical features in brief and management of Type II Lepra reaction. (5+5)
7. Clinical features and management of syphilis in a neonate. (5+5)
8. Clinical features complications and management of lymphogranuloma venereum. (3+3+4)

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

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GENERAL MEDICINE

PAPER – III

*(Central nervous system, respiratory system, immune system,
connective tissue and joint disorders)*

Q.P. Code: 1243

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 aetiopathogenesis, enumerate the clinical features and outline the treatment and write complications of Parkinson's disease. (5+5+5+5)
2. Discuss the aetiology, pathogenesis, clinical features and management of adult respiratory distress syndrome. (3+4+3+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Describe the types and role of innate immune system. (3+7)
4. Discuss clinical features and outline the management of inflammatory myopathies. (5+5)
5. Discuss clinical features, list the investigations and outline the management of ankylosing spondylitis. (3+3+4)
6. Describe etiopathogenesis, clinical features and management of Bronchial asthma. (3+3+4)
7. Describe the mechanism of action, indication, dose, duration and side effects of rituximab in rheumatoid arthritis. (2+2+2+2+2)
8. Discuss etiology, enumerate clinical features, list investigations and outline management of recurrent DVT. (3+2+3+2)

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

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PAEDIATRICS

PAPER – III

(General Paediatrics – II)

Q.P. Code: 1247

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 causes of metabolic acidosis. Describe the clinical features & management of diabetic ketoacidosis. (4+8+8)
2. Define shock. Describe the etiology, pathophysiology & management of shock. (2+6+6+6)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Discuss the risk factors & management of ventilator associated pneumonia in children.
4. Discuss the role of blood products in dengue fever.
5. Discuss the role of probiotics in pediatric practice.
6. Discuss the aetiopathogenesis & management of neurocysticercosis.
7. Discuss C/F and management of IgA nephropathy.
8. Discuss the C/F & management of scorpion sting.

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

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PSYCHIATRY

PAPER – III

(Psychiatric Theory and psychiatric specialties)

Q.P. Code: 1251

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 clinical features and outline the management of pervasive developmental disorders. (10+10)
2. Discuss aetiology, clinical features and management of obsessive compulsive disorder. (6+6+8)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Describe culture bound syndrome.
4. Explain cognitive behavior therapy.
5. Criminal responsibility in psychiatric disorders.
6. Research in electro-convulsive therapy.
7. Write a short note on mood stabilizing drugs.
8. Write in short about ethical issues in psychiatry.

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

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RADIO-DIAGNOSIS

PAPER – III

(Genitourinary, retroperitoneum, musculoskeletal system, Obstetrics & Gynaecology)

Q.P. Code: 1255

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. Imaging and causes of decreased bone density. (10+10)
2. Classify renal tumours and their various imaging features. (10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Imaging findings of tuberous sclerosis.
4. Role of colour Doppler in (IUGR) Intra-uterine growth retardation.
5. Imaging features of carcinoma cervix.
6. Explain imaging findings of congenital dislocation of Hip.
7. Role of CT angiography in Takayasu's Arteritis.
8. Describe imaging features of retro peritoneal fibrosis.

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

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RESPIRATORY MEDICINE

PAPER – III

(Tuberculosis – Pulmonary and extra pulmonary, and General Medicines)

Q.P. Code: 1259

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 management of drug resistant TB under NTEP.
2. Describe role of surgery in Thoracic Tuberculosis and its complications. (12+8)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Management of Organophosphorus poisoning.
4. Drug sensitivity testing for tuberculosis.
5. Describe formation and fate of tuberculous cavity.
6. Ocular manifestation of Tuberculosis.
7. Describe principles and clinical role of Gene Xpert test.
8. Describe role & IGRA in clinical diagnosis.

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

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GENERAL SURGERY

PAPER – III

(Abdomen & Laproscopic Surgery)

Q.P. Code: 1263

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 etiopathology and staging of oesophageal carcinoma. Describe in brief principles of palliation in oesophageal carcinoma.
2. Discuss the differential diagnosis of cystic lesions of the pancreas and discuss in brief the management of IPMN (Intraductal Papillary Mucinous Neoplasm).

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Explain the management of Hydatid cyst of liver.
4. Discuss pyloric stenosis.
5. Describe colonic diverticula.
6. Discuss capsule endoscopy.
7. Describe abdominal compartment syndrome.
8. Discuss fistula in ano.

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OBSTETRICS AND GYNAECOLOGY

PAPER – III

(*Clinical Gynaecology*)

Q.P. Code: 1267

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. What are the causes of postmenopausal bleeding? Discuss risk factors and management of stage I endometrial carcinoma. (5+5+10)
2. Describe clinical features, pathophysiology diagnosis and management of endometrial tuberculosis. (5+5+5+5)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Discuss the Syndromic management of vaginal discharge.
4. Discuss the complications of hysteroscopy.
5. Enumerate the causes of tubal block in infectivity. Discuss the management of tubal block. (5+5)
6. Discuss the role of uterine artery embolization in Gynaecology.
7. Discuss the clinical features of turner syndrome.
8. Discuss the various tests for diagnosis of vesico vaginal fistula.

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OPHTHALMOLOGY

PAPER – III

(Ocular immunology, neuro-ophthalmology, paediatric ophthalmology, systemic ophthalmology and recent advances)

Q.P. Code: 1271

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. Evaluation of Proptosis. Describe in detail thyroid associated ophthalmopathy, its clinical features, pathophysiology and management.
(8+4+8)
2. 3 month old child was brought to ophthal OPD with complaints of crossed eyes since birth. On examination Esotropia of 40 prism diopter and cross fixation was noted. Write differential diagnosis, clinical features and management.

(4+6+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Paediatric cataract IOL power calculation.
4. Discuss orbital cellulitis.
5. Discuss ischemic optic neuropathy.
6. Discuss retinopathy of pre maturity.
7. Enumerate tests for malingering.
8. Discuss internuclear ophthalmoplegia.

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

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ORTHOPAEDICS

PAPER – III

(Muscular-skeletal trauma)

Q.P. Code: 1275

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 etiopathogenesis, clinical features, and complications of tuberculosis of spine. How do you manage bedsores? (5+5+5+5)
2. Classify non-union of long bone fractures. Describe methods of treating non-union of long bones. (10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Describe the clinical features and management of giant cell tumor of lower end radius. (5+5)
4. Define Osgood schlatter's disease. Describe the clinical feature and management of the same. (5+5)
5. Describe the etiology, clinical features and management of Rocker Bottom Foot. (2+3+5)
6. Describe the clinical features & management of Psoas Abscess. (5+5)
7. Describe the etiology, clinical features and management of Duchennes Muscular dystrophy. (2+3+5)
8. Describe the etiology. Clinical features and management of Kienbock's disease. (2+3+5)

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OTORHINOLARYNGOLOGY

PAPER – III

(RhinoLOGY including recent advances)

Q.P. Code: 1279

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 saddle nose deformity of nose. (6+14)
2. Discuss the clinical features and management of Nasopharyngeal Angiofibroma. (8+12)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Describe the clinical features and management of CSF Rhinorrhea (Cerebrospinal fluid rhinorrhea) (5+5)
4. Explain the histological features of Rhinoscleroma.
5. Aetiology and management of choanal atresia. (5+5)
6. Explain clinical features & management of Wegener's granuloma.
7. Discuss the management & complications of Rhinitis Caseosa. (5+5)
8. Summarize the investigations & treatment of Olfactory Neuroblastoma. (5+5)

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PATHOLOGY

PAPER – III

*(Systemic Pathology – Cardio vascular system, respiratory system,
gastro-intestinal system including liver & biliary tract, pancreas, renal system, male and
female genital system and breast. Recent advances and applied pathology)*

Q.P. Code: 1215

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

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Explain inflammatory bowel diseases. Add a note on current concepts and diagnostic criteria of crohn's disease. (15+5)
2. Classify testicular tumours. Describe in detail germ cell tumours of testes. Add a note on recent advances in testicular tumours. (5+10+5)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Explain cardiomyopathy.
4. Explain in brief etiopathogenesis, morphology, grading & staging of chronic hepatitis. (2+3+2+3)
5. Explain paediatric renal tumours.
6. Explain gestational trophoblastic diseases.
7. Explain prostatic intraepithelial neoplasia.
8. Explain pathology & pathogenesis of acute lung injury and ARDS (Acute respirating Distress Syndrome). (5+5)

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PHARMACOLOGY

PAPER – III

(Systemic Pharmacology – II: Endocrines, chemotherapy and immunopharmacology)

Q.P. Code: 1223

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 salient features of anti-metabolites in cancer-therapy. Add a note on various treatment modalities on common adverse effects of anti-cancer drugs?
(12+8)
2. Discuss the pharmacology of insulin preparation. Add a note on various adverse effects and their treatment on long term use of insulin?
(12+8)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Discuss the pharmacotherapy of Urinary Antiseptics.
4. Discuss the pharmacotherapy of Macrolides.
5. Discuss the salient features of pharmacology of Chloroquine.
6. Discuss the therapeutic uses and adverse effect of Diethyl carbamazine.
7. Enumerate the various drugs modulating estrogen receptors.
8. Discuss the pharmacotherapy of topical antifungal drugs.

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Time: 3 Hours

Max. Marks: 100

ANAESTHESIOLOGY
PAPER – III
(*Clinical Practice of Anaesthesia*)

Q.P. Code: 1235

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. Illustrate the formation of Brachial plexus. Compare and contrast the different approaches of Brachial plexus blocks. (5+15)
2. Explain the physiology of haemostasis. Assess and appraise the common haemorrhagic diathesis and the preoperative measures. (8+12)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Outline the different methods of paediatric pain relief.
4. Discuss the hazards of incompatible blood transfusion.
5. Appraise the clinic features and treatment of acute thyroid crisis.
6. Discuss the anaesthetic management of child for congenital pyloric stenosis repair.
7. Illustrate and specify the liver function tests and its anaesthetic importance.
8. Appraise the technique and uses of mandibular nerve block.
