

POST-GRADUATE DEGREE (M.D.) EXAMINATION – JANUARY 2024

Time: 3 Hours

Max. Marks: 100

PATHOLOGY

PAPER – I

(General Pathology including environmental pathology / pathophysiology / immunopathology with recent advances and applied pathology)

Q.P. Code: 1213

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 detail microbial pathogenesis of neoplasia.
2. Describe aetiopathogenesis of autoimmunity. What are the clinical and diagnostic criteria for diagnosis of Systemic Lupus Erythematosus. (10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Discuss aetiopathogenesis of Thrombosis.
4. Discuss Pigments in health and disease.
5. Classify Granulomatous inflammation with examples. With briefly on pathogenesis of granuloma.
6. Discuss Gaucher's disease – etiology, types with manifestations and its investigations.
7. Classify Leprosy. Discuss role of Immunity in different types of Leprosy.
8. Discuss role of Genes in Apoptosis.

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GENERAL MEDICINE

PAPER – I

*(Basic sciences, recent advances in medicine, nutrition and clinical pharmacology.
Emergency and critical care medicine, Geriatric medicine)*

Q.P. Code: 1241

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 etiology, pathogenesis, clinical features, investigations of Diabetes Mellitus. Write a note on recent advances in the management Of Diabetes Mellitus. (4+4+4+4+4)
2. Indications and types of Artificial respiration. Different modes of ventilator and its weaning. (5+5+5+5)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Types and treatment of Acidosis. (5+5)
4. Physiology and Action of Incretin. (5+5)
5. Enteral and Parenteral nutrition in Ial. (5+5)
6. Merits and Demerits of artificial Intelligence in clinical Practice. (5+5)
7. Define, discuss etiology, clinical features investigation and management of Delirium in elderly. (2+2+2+2+2)
8. Advances and Disadvantages of Fixed drug combinations. (5+5)

POST-GRADUATE DEGREE (M.D.) EXAMINATION – JANUARY 2024

Time: 3 Hours

Max. Marks: 100

RADIO-DIAGNOSIS
PAPER – I
(Basic Sciences as applied to Radio-diagnosis)

Q.P. Code: 1253

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 detail the physics of image formation in MRI.
2. Describe the anatomy of lacrimal duct system and role of radiology for diagnostic value of dacryoeystography. (10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Describe Peizo-electric effect.
4. Components of computerized Radiography Cassette.
5. Mechanism vases of Auto-transformer.
6. Enumerate and classify non-ionic contrast media.
7. Discuss Principles of colour Doppler.
8. Discuss Teleradiology.

POST-GRADUATE DEGREE (M.S.) EXAMINATION – JANUARY 2024

Time: 3 Hours

Max. Marks: 100

GENERAL SURGERY

PAPER – I
(Basic Sciences)

Q.P. Code: 1261

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. Define criteria for labeling SIRS (Systemic inflammatory response syndrome). What are the causes, complications and treatment guidelines for management of SIRS.
2. How will you assess and manage a case of chronic venous ulcer on right leg of an adult patient? (10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Methods of perioperative acute pain management.
4. Classify the suture material. Give an account of absorbable suture material used in surgery.
5. Antibiotic prophylaxis in surgery.
6. Discuss etiology, clinical presentation and management of malignant melanoma.
7. Indications and limitations of PET scan in surgery.
8. Describe pathophysiology of scar formation. How will you manage a case of Pre-sternal keloid.

POST-GRADUATE DEGREE (M.S.) EXAMINATION – JANUARY 2024

Time: 3 Hours

Max. Marks: 100

OBSTETRICS AND GYNAECOLOGY

PAPER – I

(Basic Sciences and medical genetics)

Q.P. Code: 1265

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 development of female genital tract. Discuss various gynecological and obstetrical problems related to the congenital malformations of the genital tract.
2. Describe in detail different causes of maternal mortality in India. Discuss the measures that you feel can reduce MMR in India.

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Risk factors in development of Ca Ovary.
4. Investigations and management of 34 weeks pregnancy with clinical diagnosis of Fetal Growth Restriction.
5. Describe the Screening test and complications of diabetes in pregnancy.
6. Describe the physiology of lactation. Discuss common problems during breast feeding.
7. What is Antiphospholipid antibody syndrome? Discuss its clinical manifestation in obstetrics.
8. Discuss aetiopathology of PID and treatment of PID (Pelvic Inflammatory Disease).

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OPHTHALMOLOGY

PAPER – I

*(Basic Sciences, optics and refraction, ocular motility and strabismus,
Ocular pharmacology, instrumentation and investigations in ophthalmology)*

Q.P. Code: 1269

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 pupillary Anomalles with regard to light pathosay.
2. Discuss the pathology of malignant melanoma of the uvea and its clinical significance.

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Colour vision tests.
4. Corneal Endothelium.
5. Bagolini's striated glass.
6. Application Tonometry.
7. Prisms in Ophthalmology.
8. Jackson's cross cylinder.
