

Roll no.

P-2700

M.D. EXAMINATION, APRIL, 2008

M.D. – GENERAL MEDICINE

(Paper - I)

(Principles of Medicine)

Time : 3 hours

Maximum Marks – 100

Note : Attempt all questions.

1. What is evidence based medicine ? Describe its advantages and disadvantages. 25 marks
2. Role of tumour markers in medicine. 25 marks
3. Prebiotics and Probiotics in health and disease. 25 marks
4. Comment on the following :
 - (i) Wireless capsule endoscopy 8 marks
 - (ii) The role of proteomics in diabetes treatment 8 marks
 - (iii) Ventricular remodeling and heart failure 9 marks

Roll no.

P-2701

M.D. EXAMINATION, APRIL, 2008

M.D. – GENERAL MEDICINE

(Paper – II)

(Principles Practice of Medicine)

Time : 3 hours

Maximum Marks – 100

Note : Attempt all questions.

1. Discuss the clinical presentation, differential diagnosis and treatment of Parkinson's disease. 30 marks
 2. Discuss the following :
 - (a) Role of "Flow Cytometry" in management of haematological malignancies 10 marks
 - (b) Polycythemia vera 10 marks
 3. Comment upon :
 - (a) Bare metal v/s Drug eluting stents 10 marks
 - (b) Rosiglitazone in treatment of Type-2 diabetes 10 marks
 4. Discuss the clinical features, prognostic markers, complications and treatment of acute pancreatitis 30 marks
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Roll no.

P-2702

M.D. EXAMINATION, APRIL, 2008

M.D. – GENERAL MEDICINE

(Paper – III)

(Recent Advances)

Time : 3 hours

Maximum Marks – 100

Note : Attempt all questions.

1. Define, classify and etiopathogenesis of sleep apnoea syndrome. Also discuss the causes, consequences and recent trends in its management. 30 marks
2. Briefly describe patho-physiology of consciousness. Also discuss nontraumatic coma - definition, diagnosis, causes and value of glasgo coma scale. 20 marks
3. Write informative notes on : 10 marks each
 - (a) Subclinical hepatic encephalopathy
 - (b) Long QT syndrome
 - (c) Bird flu – danger to human
 - (d) Management of hyponatrimia
 - (e) Refractory congestive heart failure – causes and management

Roll No.

P-29

M. D. EXAMINATION, April/May, 2009

GENERAL MEDICINE

Paper First

(Applied Basic Sciences)

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions. All questions carry equal marks.

Write about the following :

1. False localizing signs in neurology.
2. Opportunistic infections in AIDS.
3. Clinical features and treatment of infectious mononucleosis.
4. Complications of prosthetic valves.
5. Post exposure prophylaxis for HIV.
6. Peripheral signs in Aortic regurgitation.
7. Management of chronic Hepatitis.
8. Echocardiographic features of Mitral stenosis.
9. Diagnostic modalities in tuberculosis.
10. Bone marrow transplant.

Roll No.

P – 30

M. D. EXAMINATION, April/May, 2009

GENERAL MEDICINE

Paper Second

(Principles and Practice of Medicine)

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions.

1. Write an approach of management in a fifty years old Diabetic patient presented with general anasarca. 20
2. Write in short management of the following : 15 each
 - (a) Snake bite
 - (b) EDB Poisoning
3. Write short notes on the following : 10 each
 - (a) Dengu Fever
 - (b) DSA – Digital Substraction Angiography
 - (c) Aplastic Anaemia
4. Write in short on the following : 10 each
 - (a) Seronegative Arthritis
 - (b) Chronic Active Hepatitis

M. D. EXAMINATION, April/May, 2009

GENERAL MEDICINE

Paper Third

(Principle of General Medicine)

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions.

1. What are the Duke criteria for the clinical diagnosis of infective endocarditis ? How will you treat a patient of infective endocarditis, mentioning the role of surgery ? 20
2. What are the newer antiepileptic drugs ? Briefly outline the evaluation of a patient (adult) with seizure. 20
3. Write in detail about the pathogenesis of bronchial asthma. 10
4. How will you manage a case of systemic sclerosis ? 10
5. Write notes on the following : 5 each
 - (i) Role of leukotriene inhibitors in asthma and allergy
 - (ii) Activated protein C
 - (iii) Bipolar disorder
 - (iv) AL amyloidosis
 - (v) Vascular dementia
 - (vi) Brugada syndrome
 - (vii) Biomarkers for heart failure
 - (viii) Seronegative Arthritis

Roll No.

P – 32

M. D. EXAMINATION, April/May, 2009

GENERAL MEDICINE

Paper Fourth

(Recent Advances)

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions.

Discuss the following :

10 each

1. Hyper Eosinophilic syndrome.
2. Tests for Cushing's syndrome.
3. GINA update.
4. Bioabsorbable stents.
5. Liraglutide.
6. Donar for Renal Transplant.
7. Linear Accelerator.
8. rFVIIa.
9. Vertigo.
10. Angiogenesis.

POST GRADUATE DEGREE EXAMINATION, APRIL- 2011

**MD GENERAL MEDICINE
(PAPER ONE)**

APPLIED BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Describe bilirubin metabolism, ætiopathogenesis and management of hepatic encephalopathy. (20)
- Q. 2. Classify vasculitis. Describe clinical features, diagnosis, management of Wegener's granulomatosis. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- Hashimoto's thyroiditis
 - Crescentic Glomerulonephritis
 - Haemochromatosis
- Q. 4. Write short notes on: (5 x 6 = 30)
- H. Pylori infection
 - Insulin analogues
 - Reiter's syndrome
 - Renal tubular acidosis
 - Obesity

POST GRADUATE DEGREE EXAMINATION, APRIL- 2011

**MD GENERAL MEDICINE
(PAPER TWO)**

APPLIED, BASIC & PARACLINICAL SCIENCES & RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Discuss the clinical features, diagnostic criteria, subtypes and management of Guillain Barre Syndrome. (20)
- Q. 2. Discuss approach to a case of pyrexia of unknown origin. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Management of elapid snake bite.
 - b. Diagnostic criteria of S.L.E.
 - c. Management of static epilepticus.
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Von Willibrand disease
 - b. Aluminum phosphide poisoning
 - c. Acute radiation syndrome
 - d. Leptospirosis
 - e. Delirium Tremens

POST GRADUATE DEGREE EXAMINATION, APRIL- 2011

**MD GENERAL MEDICINE
(PAPER THREE)**

APPLIED ASPECTS OF BASIC & PARACLINICAL SCIENCES & RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Discuss pathogenesis, diagnosis & management of primary pulmonary hypertension. (20)
- Q. 2. Describe in detail Cardiac Resynchronization Therapy. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Evaluation of dementia
 - b. Kaplan – Meier Curve
 - c. Renin inhibitors
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Nano - Medicine
 - b. Gp IIb / IIIa inhibitors
 - c. Constrictive Pericarditis
 - d. Allergic Broncho Pulmonary Aspergillosis
 - e. Hyperhomocysteinemia

POST GRADUATE DEGREE EXAMINATION, APRIL- 2011**MD GENERAL MEDICINE
(PAPER FOUR)****RECENT ADVANCES IN INTERNAL MEDICINE**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Discuss the pathophysiology, clinical features and management of cardiorenal syndrome. (20)
- Q. 2. Discuss ventilator associated pneumonia. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Critical illness neuropathy
 - b. Prophylaxis of infections in renal transplant recipient
 - c. Gene therapy for cancer
- Q. 4. Write short notes on: (6 x 5 = 30)
- a. Malignancy related hypercalcemia
 - b. Small intestinal bacterial overgrowth syndrome
 - c. Diagnosis and management of macrophage activation syndrome
 - d. Approach to a patient with solitary thyroid nodule
 - e. Neuroleptic malignant syndrome
 - f. Idiopathic outflow tract ventricular tachycardia

POST GRADUATE EXAMINATION, APRIL- 2012

**MD GENERAL MEDICINE
(PAPER ONE)**

APPLIED BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagnosis.

- Q. 1.** What are the complications of diabetes? How will you manage a case of diabetic foot? (20)
- Q. 2.** Describe clinical features, investigations and management of hypothyroidism. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Alcohol liver disease
 - b. Acute renal failure
 - c. Oral antidiabetic drugs
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Pheochromocytoma
 - b. Acute gouty arthritis
 - c. Acute rheumatic fever
 - d. Dyslipidemia
 - e. Hypoglycemic Coma

POST GRADUATE EXAMINATION, APRIL- 2012

MD GENERAL MEDICINE

(PAPER TWO)

APPLIED, BASIC & PARACLINICAL SCIENCES & RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagnosis.

- Q. 1.** Describe the different presentations of coronary atherosclerotic heart disease. (20)
- Q. 2.** How will you approach a case with distal weakness and parasthesias in all four limbs which is progressive? (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Incretins
 - b. General blood picture in chronic myeloid leukemia
 - c. Clinical features of bipolar disorders
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. GpIIb/IIIa antagonists
 - b. MR Flair
 - c. Pellagra
 - d. Fluorosis
 - e. Pulmonary involvement in scleroderma

POST GRADUATE EXAMINATION, APRIL- 2012

MD GENERAL MEDICINE

(PAPER THREE)

APPLIED ASPECTS OF BASIC & PARACLINICAL SCIENCES & RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

Illustrate with suitable diagnosis.

- Q. 1.** What is prehypertension? Describe the risk factors associated and its management. (20)
- Q. 2.** Define MDR-TB and XDR-TB. How to suspect it, and what is the management protocol used? (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Ventilatory function, and normal volume curves, differentiating obstructive and restrictive lung disease.
 - b. J.V.P.
 - c. Hypertrophic cardiomyopathy
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Null hypothesis
 - b. Senile osteoporosis in elderly lady
 - c. Vasopressin
 - d. Critical care myopathy
 - e. LGV

POST GRADUATE EXAMINATION, APRIL- 2012

**MD GENERAL MEDICINE
(PAPER FOUR)**

RECENT ADVANCES IN INTERNAL MEDICINE

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

Illustrate with suitable diagnosis.

- Q. 1.** Discuss the etiology, pathogenesis and clinical features of focal segmental glomerulosclerosis. Briefly outline the management and algorithmic ^{approach} ~~approval~~ to treatment. (20)
- Q. 2.** Discuss in detail Myelo Dysplastic syndrome. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Factors predisposing to the complications of diabetes mellitus
 - b. Systemic manifestations of COPD
 - c. Protease inhibitors for hepatitis C
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. SERMs
 - b. Rivaroxaban
 - c. Levosimendan
 - d. Tropical Pancreatitis
 - e. Disease modifying therapy for multiple sclerosis

POST GRADUATE EXAMINATION, MAY- 2013

**MD GENERAL MEDICINE
(PAPER ONE)**

APPLIED BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe the clinical profile, management and outcomes in chronic Hepatitis B. (20)

Q. 2. Enumerate the causes of Hyperthyroidism. Describe its clinical features and modalities of treatment. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Cranial nerve involvement in diabetes mellitus.
- b. Disease modifying anti-rheumatic drugs (DMARDS).
- c. Pathogenesis of peptic ulcer disease.

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Leptins
- b. Renal tubular acidosis
- c. Newer anti diabetic agents
- d. Vitamin D metabolism
- e. CREST syndrome

POST GRADUATE EXAMINATION, MAY- 2013

**MD GENERAL MEDICINE
(PAPER TWO)**

APPLIED, BASIC & PARACLINICAL SCIENCES & RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe capillary leak syndrome. Enumerate causes, presentation and management of idiopathic capillary leak syndrome. (20)
- Q. 2.** Discuss pathogenesis and management of Alzheimer's disease. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Churg Strauss syndrome
 - b. Polycythemia vera
 - c. Snake bite
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Newer anti coagulants
 - b. Critical issues in management of HIV – tuberculosis coinfection.
 - c. Complications of total parenteral nutrition.
 - d. Pet- CT current status
 - e. Panic attacks.

POST GRADUATE EXAMINATION, MAY- 2013

**MD GENERAL MEDICINE
(PAPER THREE)**

APPLIED ASPECTS OF BASIC & PARA CLINICAL SCIENCES & RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe the pathophysiology of Heart failure. Describe the advances in management of Heart failure. (20)
- Q. 2.** Approach to refractory hypoxemia: Describe ventilator and adjunctive therapy. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Pulmonary hypertension: New insight
 - b. Impetigo and erysipelas
 - c. Systemic manifestation of COPD
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Molecular basis of drug resistance
 - b. Immune status in elderly
 - c. Traveller's thrombosis
 - d. Odds ratio and relative risk
 - e. Statins in critical care

POST GRADUATE EXAMINATION, MAY- 2013

**MD GENERAL MEDICINE
(PAPER FOUR)**

RECENT ADVANCES IN INTERNAL MEDICINE

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss acute kidney injury and describe the role of CRRT. (20)
- Q. 2.** Discuss the pathogenesis, clinical features, diagnosis and management of antiphospholipid syndrome. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Drug eluting stents
 - b. Sub clinical hypothyroidism.
 - c. Therapy of multiple sclerosis.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. NK cells
 - b. Diagnosis of pulmonary embolism.
 - c. Catheter based renal denervation
 - d. Belimumab.
 - e. Bedaquiline

POST GRADUATE EXAMINATION, SEPTEMBER- 2013**MD GENERAL MEDICINE
(PAPER ONE)****APPLIED BASIC SCIENCES****[Time allotted: Three hours]****[Max Marks: 100]****Note:** Attempt all questions

Illustrate with suitable diagrams if required.

Q. 1. Describe the clinical features, diagnosis and treatment of ulcerative colitis. (20)

Q. 2. What are the microvascular complications of diabetes mellitus? Discuss their diagnosis and management. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Clinical applications of monoclonal antibodies.
- b. Stages of Lupus Nephritis
- c. Diagnosis of Wilson's disease

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Hepato-renal syndrome
- b. Antibiotic resistance
- c. Drug induced myopathies
- d. Metabolic syndrome
- e. Psoriatic arthritis

POST GRADUATE EXAMINATION, SEPTEMBER- 2013

**MD GENERAL MEDICINE
(PAPER TWO)**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams if required.

- Q. 1.** Discuss the pathogenesis, diagnosis, complications and management of dengue fever. (20)
- Q. 2.** Discuss the pathogenesis and management of Parkinson's disease. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Anti phospholipids syndrome
 - b. Modern methods in diagnosis and management of chronic myeloid leukemia (CML)
 - c. Aluminium phosphide poisoning
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Newer antiplatelet agents and their uses
 - b. SLE nephritis and its management with classification
 - c. CT angiography in cardiac disease
 - d. Manic depressive psychosis
 - e. MDR and XDR- TB

POST GRADUATE EXAMINATION, SEPTEMBER- 2013

**MD GENERAL MEDICINE
(PAPER THREE)**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams if required.

- Q. 1.** Describe the pathophysiology of acute coronary syndrome. Describe the advances in management of non- ST elevation myocardial infarction. (20)
- Q. 2.** Discuss pathogenesis, causes and differential diagnosis of hospital acquired pneumonia. Discuss approach to treatment and prevention. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Management of septic shock in adults
 - b. New Gold criteria for COPD
 - c. Genetic testing and counselling
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Motion sickness
 - b. Adult immunization
 - c. Levosimendan
 - d. Hazard ratio
 - e. Urticaria

POST GRADUATE EXAMINATION, SEPTEMBER- 2013

MD GENERAL MEDICINE

(PAPER FOUR)

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams if required.

Q. 1. Discuss oral anticoagulant therapy in patients with atrial fibrillation for stroke prevention. (20)

Q. 2. Discuss the pathogenesis and current treatment modalities for ulcerative colitis. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. IgA nephropathy
- b. Primary alveolar hypoventilation
- c. Primary hyperparathyroidism

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Tyrosine kinase inhibitors for CML
- b. Eculizumab
- c. Stem cell therapy
- d. Insulin Degludec
- e. New perspectives in Nanomedicine

POST GRADUATE EXAMINATION, APRIL/ MAY- 2014

**MD GENERAL MEDICINE
(PAPER ONE)**

APPLIED BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe the mechanism in regulation of calcium homeostasis in body. Enumerate the causes of hypercalcaemia and clinical approach to its diagnosis. (20)
- Q. 2.** Describe the production and metabolism of bilirubin in body. How would you approach and investigate a patient with hyperbilirubinaemia? (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- Urine examination in clinical practice.
 - Iron absorption
 - Paraneoplastic syndromes – Endocrine manifestations.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- Evaluation of hirsutism
 - Nephrotoxins
 - Wilson's disease
 - Management of myasthenia gravis
 - Autonomic neuropathy in diabetes mellitus.

POST GRADUATE EXAMINATION, APRIL/ MAY- 2014

**MD GENERAL MEDICINE
(PAPER TWO)**

APPLIED, BASIC & PARACLINICAL SCIENCES & RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss the pathogenesis of aluminium phosphide poisoning and its prognosis and management. (20)

Q. 2. Discuss the pathogenesis and management of Motor Neuron Diseases (all types). (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Scorpion sting
- b. Multiple myeloma.
- c. Antiphospholipid syndrome.

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Newer anti platelet agents – merits, demerits and uses.
- b. HIV encephalopathy – diagnosis and management.
- c. Non alcoholic fatty liver disease (NAFLD) pathogenesis and management.
- d. Radiological techniques in diagnosis of acute strokes (CT, MRI etc.).
- e. Management of chronic insomnia.

POST GRADUATE EXAMINATION, APRIL/ MAY- 2014

**MD GENERAL MEDICINE
(PAPER THREE)**

APPLIED ASPECTS OF BASIC & PARACLINICAL SCIENCES & RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Define shock. Discuss the patho-physiology and management options in patients with shock. Provide evidence based recent advances in the management of refractory shock. (20)
- Q. 2.** Describe the patho-physiology of obstructive sleep apnea syndrome. Discuss the available treatment modalities. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- Tests of significance.(p-value)
 - Syndrome management of sexually transmitted infections.
 - Geriatric syndrome.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- Newer anti-platelets in ischemic heart disease.
 - Inhalational drug-delivery devices.
 - Genetic counselling.
 - Altitude sickness.
 - Selective insulin receptor modulators (SIRM).

POST GRADUATE EXAMINATION, APRIL/ MAY- 2014

**MD GENERAL MEDICINE
(PAPER FOUR)**

RECENT ADVANCES IN INTERNAL MEDICINE

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Current and future therapies for hepatitis 'C' virus infection. (20)

Q. 2. Current treatment modalities in acute ischaemic stroke beyond i/v thrombolysis. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. What is new in thromboembolic prevention in atrial fibrillation? Compare with the older ones.
- b. Role of SGLT inhibitor in management of D.M. type 2.
- c. In "Non small cell lung cancer"; what is the role of adjuvant chemo therapy in early stage, locally advance disease?

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Cardio-vascular effects of Gliptins.
- b. Telomere and Aging.
- c. TXA₂ receptor antagonist.
- d. Non HDL cholesterol.
- e. Malarial vaccine.

POST GRADUATE EXAMINATION, APRIL - 2015

**MD GENERAL MEDICINE
(PAPER ONE)**

BASIC SCIENCES - APPLIED

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe the anatomical causation of the sensory syndromes of the Nervous system. (20)

Q. 2. Discuss the principles of the management of congestive heart failure. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Primary pulmonary hypertension.
- b. Endocrinal causes of secondary hypertension.
- c. Myelodysplastic syndromes.

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Bayes' Theorem
- b. Diet recommendations for Kidney stones.
- c. Diagnosis of pulmonary embolism
- d. Management of H1N1 disease.
- e. Pros and Cons of peritoneal dialysis vs. Haemodialysis.

X

POST GRADUATE EXAMINATION, APRIL - 2015

**MD GENERAL MEDICINE
(PAPER TWO)**

APPLIED BASIC & PARACLINICAL SCIENCES AND RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss the clinical features, etiology, diagnosis and management of syndrome of inappropriate antidiuretic hormone (SIADH). (20)
- Q. 2.** Discuss the clinical features, pathogenesis, diagnosis and management of organophosphorus poisoning. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Pituitary apoplexy
 - b. Position emission tomography
 - c. Endocrinological complications of HIV.
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Clopidogrel resistance
 - b. Histoplasmosis
 - c. Gene therapy in clinical medicine
 - d. Resistant hypertension
 - e. MODY

POST GRADUATE EXAMINATION, APRIL - 2015
MD GENERAL MEDICINE
(PAPER THREE)
APPLIED ASPECTS OF BASIC AND PARA CLINICAL SCIENCES

[Max Marks: 100]
[Max Marks: 100]

[Time allotted: Three hours]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1. Describe pulmonary opportunistic infections in immuno compromised host. Briefly outline their management (20)
- Q. 2. Discuss Parkinsonism plus syndromes. Briefly outline recent advances in the management of Parkinson's disease. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Polycystic kidney disease.
 - b. Anti neutrophil cytoplasmic antibodies.
 - c. Recent advances in the treatment of Hepatitis C.
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. HIV myelopathy.
 - b. Chronic Fatigue syndrome.
 - c. Renal denervation therapy.
 - d. Anti CCP antibodies.
 - e. Human genome project (HGP).

POST GRADUATE EXAMINATION, APRIL - 2015

**MD GENERAL MEDICINE
(PAPER FOUR)**

RECENT ADVANCES IN GENERAL MEDICINE

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1. Discuss newer modalities of investigations of pulmonary tuberculosis. (20)
- Q. 2. Describe recent advances in the management of acute pancreatitis. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- Recent guideline concepts of Alzheimer's disease.
 - Newer novel anticoagulants
 - Cardiac biomarkers with diagnostic and prognostic relevance.
- Q. 4. Write short notes on: (5 x 6 = 30)
- SGLT-2 inhibitors
 - Synucleinopathy
 - High altitude pulmonary edema
 - Dysequilibrium syndrome
 - Autoimmune hypoparathyroidism

POST GRADUATE EXAMINATION, MAY - 2016

**MD GENERAL MEDICINE
(PAPER ONE)**

BASIC SCIENCES - APPLIED

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe the approach to central nervous system dysfunction in the ICU. (20)

Q. 2. Discuss the role of newer oral anticoagulants in the management of atrial fibrillation. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Pharmacotherapy of obesity
- b. NAFLD
- c. Drug resistant tuberculosis

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Thrombolytic therapy in ST-elevation myocardial infarction
- b. Superior vena cava syndrome
- c. Clinical evaluation of hirsutism
- d. Electrocardiographic manifestations of hyperkalemia
- e. Diagnosis of Celiac disease

X

POST GRADUATE EXAMINATION, MAY - 2016

**MD GENERAL MEDICINE
(PAPER TWO)**

APPLIED BASIC & PARACLINICAL SCIENCES AND RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. How will you assess and monitor asthma severity? Discuss in detail about asthma management. **(20)**

Q. 2. Discuss Cardiomyopathies. **(20)**

Q. 3. Describe briefly: **(3 x 10 = 30)**

- a. Approach to a case of hypocalcemia.
- b. Newer therapeutic modalities in treatment of diabetes mellitus.
- c. RANKL

Q. 4. Write short notes on: **(5 x 6 = 30)**

- a. Anticoagulation in chronic AF.
- b. Post prandial hypoglycemia.
- c. Treatment of high LDL cholesterol
- d. Tissue engineering
- e. Myocardial hibernation and stunning.

X

POST GRADUATE EXAMINATION, MAY - 2016
MD GENERAL MEDICINE
(PAPER THREE)
APPLIED ASPECTS OF BASIC AND PARACLINICAL SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe the approach to a middle aged male patient with fever of 7 days duration and epistaxis. (20)
- Q. 2.** Discuss the etiology, pathophysiology, clinical features, investigations and management of renal failure in a young female receiving treatment for inflammatory polyarthritis. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. CREST syndrome
 - b. Chronic fatigue syndrome
 - c. Eaton Lambert syndrome
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Toxic shock syndrome
 - b. Renal biopsy
 - c. Atypical pneumonias
 - d. Chronic inflammatory polyneuropathy
 - e. Immune reconstitution syndrome (IRIS)

X

POST GRADUATE EXAMINATION, MAY - 2016

**MD GENERAL MEDICINE
(PAPER FOUR)**

RECENT ADVANCES IN GENERAL MEDICINE

[Max Marks: 100]

[Time allotted: Three hours]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss indications for Percutaneous coronary intervention and describe pre and post PTCA management of coronary artery disease. (20)
- Q. 2.** Discuss management of chronic hepatitis - C. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Management of Psoriatic arthritis.
 - b. Management of MDR tuberculosis.
 - c. Management of Alzheimer's disease.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Hepatitis E vaccine
 - b. Anidulafungin
 - c. PCSK9 Inhibitors
 - d. Angiotensin-Nepriylsin inhibition in heart failure.
 - e. Prion diseases.

X

POST GRADUATE EXAMINATION, MAY - 2017

**MD GENERAL MEDICINE
(PAPER ONE)**

BASIC SCIENCES - APPLIED

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

Q. 1. Discuss cholestatic jaundice in detail. (20)

Q. 2. Discuss pathogenesis and clinical manifestations of multiple myeloma. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Non ST elevation MI
- b. Gastrointestinal decontamination of ingested toxins
- c. Biology of obesity

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Supportive care in cancer chemotherapy
- b. Hypercalcemia
- c. Zika virus
- d. Mediators of septic shock
- e. Sudden cardiac death

X

POST GRADUATE EXAMINATION, MAY - 2017

**MD GENERAL MEDICINE
(PAPER TWO)**

APPLIED BASIC & PARACLINICAL SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

Q. 1. Discuss pathology, diagnostic modalities and management of hypertrophic obstructive cardiomyopathy. (20)

Q. 2. Discuss clinical features, diagnosis and management of interstitial lung disease. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Sellar mass
- b. Ectopic ACTH
- c. Insulin in type 2 diabetes mellitus

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Islet cell transplant
- b. Tissue engineering in clinical medicine
- c. DEXA scan
- d. Genetic counseling
- e. Acute intermittent porphyria

X

POST GRADUATE EXAMINATION, MAY - 2017

**MD GENERAL MEDICINE
(PAPER THREE)**

APPLIED ASPECTS OF BASIC AND PARACLINICAL SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

- Q. 1.** Discuss the neuro-anatomy of 3rd cranial nerve and its lesions. (20)
- Q. 2.** Discuss approach to a patient presenting with fever and rash. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Cryptococcal meningitis
 - b. Staphylococcal toxic shock syndrome
 - c. Leptospirosis
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Causes of acute interstitial nephritis
 - b. Disease modifying treatment in multiple sclerosis
 - c. Adult polycystic kidney disease
 - d. Hemophagocytic lymphohistiocytosis
 - e. Bipolar disorder

X

POST GRADUATE EXAMINATION, MAY - 2017

**MD GENERAL MEDICINE
(PAPER FOUR)**

RECENT ADVANCES IN GENERAL MEDICINE

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

Q. 1. Discuss the pathogenesis, clinical features and management of autoimmune encephalitis. (20)

Q. 2. Discuss the role of continuous subcutaneous insulin infusion in type 1 diabetes mellitus. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. 5-ASA agents in inflammatory bowel disease
- b. PCSK-9 inhibitors
- c. Angiotensin receptor neprilysin inhibitor

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Recent guidelines on treatment of tuberculosis.
- b. Reversal of Factor Xa inhibitor activity
- c. Biosimilars
- d. Serum procalcitonin
- e. New agents in HIV management

X