



MUHS QUESTION BANK

M. D. GENERAL MEDICINE
FROM MUHS EXAMS
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Compiled by

Dr. Vishwanath G. Marshivanikar

Junior Resident
MD General Medicine
SVNGMC, Yavatmal

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The Profession of Medicine

Short questions -

- 1] Alternative medicine in therapeutics (Repeated Multiple Times)
- 2] Causes of falls in elderly patients and its consequences
- 3] Good Clinical Practices.
- 4] Medical ethics
- 5] Withdrawing and withholding life-sustaining treatment

Cardinal Manifestations and Presentation of Diseases

Long questions -

- 1] Discuss approach to patient of fever with thrombocytopenia. Describe it's management. or
Discuss pathophysiology of fever and causes of hypethermia syndrome or
Discuss body temperature regulation and causes of hyperthermia.
- 2] Discuss normal acid base in most cases and different types of acid base abnormality
- 3] Discuss approach of normal anion gap metabolic acidosis
- 4] Describe role of buffer in acid base balance
- 5] Describe causes clinical features and management of massive upper GI bleeding
- 6] Describe female sexual dysfunction
- 7] Write briefly about anatomy of the lymphatic system. Discuss pathogenesis of oedema.
- 8] Write and discuss approach to patient of chronic diarrhoea

Short questions -

- 1] Acidosis or Causes of metabolic acidosis. (Repeated)
- 2] Anion gap and its significance
- 3] Treatment of hyperkalemia.
- 4] Treatment of hypernatremia



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- 5] Hypokalemia
 - 6] Hypomagnesemia.
 - 7] Involuntary weight loss (Repeated Multiple Times)
 - 8] Approach to a patient having chest pain.
 - 9] Etiological types and causes of cyanosis
 - 10] Sleep disorders (Repeated)
 - 11] Syncope

Genes, the Environment, and Disease & Frontiers - Regenerative Medicine

Long questions -

- 1] Discuss structure of chromatin and chromosomes discuss various related disorders due to the deviation in number and structure of human chromosomes
- 2] Discuss application of stem cell therapy in clinical medicine
- 3] Discuss role of stem cell transplantation in Medicine.

Short questions -

- 1] Autosomal Dominant disorders (Repeated Multiple Times)
 - 2] X linked inheritance (Repeated Multiple Times)
 - 3] Autosomal recessive disorders
 - 4] Down syndrome (triosomy21).
 - 5] Klinefelters syndrome.
 - 6] Moon-Biedel syndrome
 - 7] Biologics (Repeated Multiple Times)
 - 8] Human Genome Project (Repeated Multiple Times)
 - 9] Gene therapy (Repeated Multiple Times)
 - 10] Gene silencing (epigenetics) or
 - 11] Epigenetics
 - 12] Stem cell plasticity (transdifferentiation)
 - 13] Current status on stem cell therapy
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- 14] Stem cell therapy in Cardiac disease
- 15] Practical utility of stem cell transplant in medical diseases.
- 16] Role of genetic testing and possible interventions.
- 17] Polymerase chain reaction (Repeated)
- 18] Tissue engineering (Repeated)
- 19] Genetic counseling and testing
- 20] Genetic counselling
- 21] DNA testing
- 22] FISH
- 23] Human Genome Project
- 24] Classify biologics and discuss their uses in medicine
- 25] Extra-corporeal Membrane Oxygenation (ECMO).
- 26] Fusion Inhibitors.
- 27] Enzyme therapy

Nutrition and Weight Loss

Long questions -

- 1] Discuss role of enteral and parenteral therapy in clinical medicine
- 2] What is the role of total parenteral nutrition in management of diseases ? What are the complications of TPN ?
- 3] Discuss nutrition in critically ill
- 4] Define etiology clinical features of vitamin B12 deficiency and discuss management of subacute combined degeneration
- 5] Enumerate fat soluble vitamins. Describe sources , deficiency, treatment of Vitamin B1 (Thiamine).
- 6] Discuss nutritional assessment and management of a malnourished person.
- 7] Discuss bilirubin metabolism . Write in brief about disorders that result in unconjugated hyperbilirubinemia. or
- 8] Discuss bilirubin metabolism



Short questions –

- 1] Vitamin B12. or Vitamin B12 absorption and related disorder or Vit. B12 metabolism (Repeated Multiple Times)
- 2] Involuntary weight loss(Repeated Multiple Times)
- 3] Total parenteral nutrition (Repeated Multiple Times)
- 4] Micro nutrients.
- 5] Fluorine in health and disease
- 6] Clinical manifestations due to deficiency of fat soluble vitamins
- 7] Pellagra.
- 8] Thiamine deficiency
- 9] Vit. E.
- 10] Niacine
- 11] Hypervitaminosis A
- 12] Hypervitaminosis D

Oncology

Long questions

- 1] Discuss Paraneoplastic syndromes.
- 2] Discuss Tumor Lysis in case of malignancy

Short questions

- 1] Tumor markers (Repeated Multiple Times)
 - 2] Tumour Lysis Syndrome (Repeated Multiple Times)
 - 3] Paraneoplastic syndrome (Repeated Multiple Times)
 - 4] Oncogenes (Repeated Multiple Times)
 - 5] Reaction cutaneous manifestation of internal malignancy (Repeated)
 - 6] Cancer cachexia
 - 7] Cancer Genetics
 - 8] Infections in cancer patients
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- 9] Targeted therapy in Cancer
 - 10] Viruses implicated in Human Cancers.
 - 11] Target therapy in oncology.

Hematology

Long questions

- 1] Describe advances in evaluation and management of Multiple Myeloma.
- 2] Discuss approach and management of a patient of acute intravascular Haemolysis (DIC).
- 3] Discuss clinical features Staging diagnosis and management of acute myeloid leukaemia
- 4] Enumerate the bleeding and clotting disorders. Discuss investigations and management of Haemophilia.

Short questions

- 1] Beta thalassaemia (Repeated)
 - 2] Bone marrow transplantation.
 - 3] Outline of iron metabolism (Repeated)
 - 4] Management of chronic granulocytic leukaemia
 - 5] Myeloid leukemia (CML) or Investigations in Chronic myeloid leukemia or Management of chronic myeloid leukaemia (Repeated)
 - 6] Diagnosis and treatment of acute myeloid leukemia
 - 7] Management of acute lymphocytic leukaemia
 - 8] Diagnosis and treatment of multiple Myeloma (Repeated)
 - 9] Hairy cell leukaemia (Repeated)
 - 10] Hemolytic uremic syndrome
 - 11] Immune mediated transfusion reactions.
 - 12] Investigations and Treatment of Haemophilia. (Repeated)
 - 13] Megaloblastic anemia-causes and pathogenesis.
 - 14] Myelodysplastic syndrome (MDS).
 - 15] Paroxysmal nocturnal hemoglobinuria (Repeated Multiple Times)
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- 16] Parvovirus infection and anaemia
 - 17] Pancytopenia and its management
 - 18] Pernicious anemia.
 - 19] Hodgkin's lymphoma
 - 20] Recent advances in the management of Non Hodgkins lymphoma.
 - 21] Role of monoclonal antibodies in hematology

Infectious Diseases

Long questions

- 1] Discuss approach to patient of fever with thrombocytopenia. Describe it's management.
- 2] Discuss a FUO and management of malaria or
Discuss complication and recent guidelines for management of malaria
- 3] Classify pneumonia discuss management of hospital acquired pneumonia and its complication
- 4] Discuss clinical feature investigations and management of leptospirosis
- 5] Enumerate and discuss in brief about zoonotic diseases.

Short questions

- 1] Adult immunization or Vaccination in adults (Repeated Multiple Times)
 - 2] Discuss new vaccine approaches in clinical medicine
 - 3] Anti-viral vaccines
 - 4] Clinical features and Management diagnosis and treatment of leptospirosis (Repeated Multiple Times)
 - 5] Drug resistant Malaria (Repeated)
 - 6] Treatment of health worker associated pneumonia (Repeated Multiple Times)
 - 7] Treatment of Ventilatory Associated pneumonias (VAP).
 - 8] Malarial prophylaxis.
 - 9] Management of Cerebral Malaria
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- 10] Newer Antimalarial Drugs.
 - 11] Febrile neutropenia (Repeated)
 - 12] Infectious mononucleosis (Repeated)
 - 13] Swine Flu or H1N1 infection (Repeated)
 - 14] Rickettsial fever
 - 15] Scrub typhus (Repeated)
 - 16] Current trends in diagnosis and treatment of visceral leishmaniasis
 - 17] Dengue shock syndrome
 - 18] Drug resistance enteric fever
 - 19] Causes and management of tetanus
 - 20] Febrile neutropenia
 - 21] Immunization in tropical diseases
 - 22] Management of recurrent urinary tract infection
 - 23] Toxic shock syndrome
 - 24] Viral hemorrhagic fever
 - 25] Aspergillosis.
 - 26] Device assisted infections
 - 27] Nosocomial and device related infections
 - 28] Middle East Respiratory Syndrome Corona Virus Infection.

Human Immunodeficiency Virus: AIDS and Related disorders

Long questions

- 1] What is mechanism of immunosuppression in HIV infection in brief about toxicities of various ART drugs used in treating HIV AIDS
- 2] Discuss neurological manifestation of HIV patient
- 3] Discuss second and third line antiretroviral therapy.
- 4] Describe drug resistance testing in HIV infection with details of drugs and combinations proposed for third line HAART



Short questions

- 1] Management of HIV infection
- 2] Antiretroviral therapy (Repeated Multiple Times)
- 3] Drug resistance in antiretroviral therapy
- 4] Indications of second line ART drugs.
- 5] Post exposure prophylaxis against HIV
- 6] ART in pregnancy.
- 7] CD4 count
- 8] Drug resistant HIV
- 9] Neurology of HIV
- 10] Treatment of HIV and HBV coinfection
- 11] Skin manifestations of AIDS.
- 12] Differential diagnosis of ring enhancing lesion in patient of AIDS.

Mycobacterial Diseases

Long questions

- 1] Discuss MDR Koch's. (Tuberculosis).
- 2] What is drug resistant TB ? Enumerate the drugs used in management of DR TB.
What are the treatment guidelines for management of HIV-TB co-infection ?

Short questions

- 1] Multidrug resistant tuberculosis (Repeated Multiple Times)
- 2] Dots plus
- 3] Interferon Gamma assays
- 4] Clinical presentation of tuberculous abdomen in an immuno-compromised patient.
- 5] Clinical features of Leprosy
- 6] Lepra reaction
- 7] Types of Hansen disease and drug treatment of multibacillary Hansen's disease



Disorders of the Cardiovascular System

Long questions -

- 1] What are types and common causes of heart failure how can heart failure be diagnosed clinical and managed effectively? or
Discuss acute heart failure syndromes.
 - 2] Discuss recent investigations and treatment of acute myocardial infarction. or
Discuss recent investigations and management in Acute coronary syndrome. or
Discuss etiopathogenesis, classification & management of ACS.
 - 3] Discuss pathogenesis of atherosclerosis how would you manage a case of dyslipidemia to prevent coronary artery disease
 - 4] Describe the blood supply of heart. Discuss recent advances in management of Ischaemic heart disease.
 - 5] Discuss management of heart disease in pregnancy
 - 6] Discuss interventions in cardiovascular disease
 - 7] Discuss clinical features, types, investigations and treatment of cardiomyopathy.
 - 8] Discuss physiology of cardiac conduction with reference to AV node describe pathophysiology and management of supraventricular tachycardia or
Enumerate tachyarrhythmias. Discuss ECG pictures and management of supraventricular tachycardias.
 - 9] Describe anatomy and physiology of conduction system of heart write in detail etiopathology, clinical features and management of ventricular tachycardia or
Discuss approach to a case with broad QRS tachycardia and its management
 - 10] Describe pathophysiology and clinical features of infective endocarditis .Write about investigations and management of subacute bacterial endocarditis.
 - 11] Describe etiopathogenesis clinical feature and management of pericardial effusion what are its complications
 - 12] Describe etiology clinical features and management of pericarditis
 - 13] Write in brief about the development of the heart. What are the clinical features, investigations and management in a case of atrial septal defect?
 - 14] What are the different methods of measuring blood pressure ? Write about the physiology of blood pressure regulation.
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- 15] Discuss clinical features of pulmonary embolism and management of massive pulmonary thromboembolism or
Discuss etiology clinical feature and recent management of Pulmonary thromboembolism
 - 16] Describe the physiology of deep venous thrombosis feature investigation and measures to prevent pulmonary thromboembolism from the same
 - 17] Discuss classification pathophysiology clinical features investigations and treatment of Pulmonary hypertension

Short questions -

- 1] Anatomy of heart valves.
 - 2] Cardiac cycle.
 - 3] Destination therapy in heart failure
 - 4] Stents in medicine (Repeated)
 - 5] Drug eluting stents
 - 6] ECG diagrams of Malignant ventricular arrhythmias.
 - 7] Ventricular tachycardia (Repeated)
 - 8] Heart transplant.
 - 9] Investigations and treatment of Infective Endocarditis. (Repeated)
 - 10] Ischaemic heart disease. (Repeated)
 - 11] Leading innovation in cardiac nuclear imaging
 - 12] Management of refractory heart failure or Resistant heart failure (Repeated)
 - 13] Newer drug therapy management of hypertension
 - 14] Non pharmacologic management of hypertension.
 - 15] Pacemaker therapy in cardiac practice
 - 16] Pacemakers-Indications and contraindications.
 - 17] Physiology of blood pressure regulation.
 - 18] Physiology of conduction atrioventricular node
 - 19] Postural hypotension.
 - 20] Prizmetal angina
 - 21] Recent advances in management of Aortic stenosis.
 - 22] Recent management of Atrial fibrillation.
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- 23] Refractory hypertension (Repeated)
 - 24] Takotsubo Disease.
 - 25] RT Pro BNP

Disorders of the Respiratory System

Long questions

- 1] Classify pneumonia discuss management of hospital acquired pneumonia and its complication
- 2] Describe etiopathogenesis clinical feature and management of carcinoma of bronchus
- 3] Describe function anatomy of lungs discuss the various lung function test
- 4] Discuss classification, diagnosis and treatment of Interstitial Lung Disease (ILD) or
- 5] Write pathogenesis causes evaluation and treatment of patients of interstitial lung disease
- 6] Discuss management and recent advances in management of interstitial lung disease
- 7] Discuss lung as a endocrine organ
- 8] Discuss respiratory problems in COPD & its management.
- 9] Discuss the indications of ventilation (Artificial respiration) and its complications. Write on ventilation Associated pneumonia.
- 10] What is a solitary nodule? Discuss clinical features and treatment of patients with fungal infections of the lung.
- 11] What is spontaneous Pneumothorax what are the causes of this condition write about the clinical feature and radiological findings of this condition what are pathological types and management of spontaneous Pneumothorax

Long questions

- 1] Adult respiratory distress syndrome
 - 2] Aspergillosis.
 - 3] H1N1 infection (Repeated)
 - 4] Immunological diseases of respiratory system
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- 5] Indications of Pleurodesis.
 - 6] Interstitial pulmonary Fibrosis (Repeated)
 - 7] Legionnaire's disease
 - 8] Management of primary pulmonary hypertension
 - 9] Pulmonary function test or Lung function tests in bronchial asthma (Repeated Multiple Times)
 - 10] Staging of lung cancer
 - 11] Treatment of health worker associated pneumonia (Repeated)
 - 12] Treatment of Ventilatory Associated pneumonias (VAP).
 - 13] Type 1 respiratory failure
 - 14] Anatomy of mediastinum and mediastinal compression syndrome
 - 15] Polysomnography

Critical Care Medicine

Long questions

- 1] Discuss its pathogenesis of sepsis elaborate its management
- 2] Discuss pathogenesis of shock describe approach to patient of shock
- 3] Discuss recent advances in management of sepsis
- 4] Discuss the indications of ventilation (Artificial respiration) and its complications.
Write on ventilation Associated pneumonia.

Short questions

- 1] Ventilator strategies in adult respiratory distress syndrome
- 2] Adult respiratory distress syndrome
- 3] Glucose control in critically ill patients
- 4] Infections in the intensive care set-up
- 5] Scoring system in assessing Critical Care patient



Disorders of the Kidney and Urinary Tract

Long questions

- 1] Discuss etiopathogenesis, immunology, clinical features and management of rapidly progressive glomerulonephritis.
- 2] Discuss approach to patient of rapid progressive Glomerulonephritis discuss treatment of immune glomerulonephritis
- 3] Discuss approach to a patient of rapidly progressive AKI.
- 4] Discuss treatment of acute renal failure (ARF).
- 5] Discuss etiology clinical features investigations and management of acute renal failure
- 6] Discuss renal replacement therapy.
- 7] Discuss clinical evaluation in case of nephrotic syndrome or
- 8] Write about the etiopathogenesis of adult-onset nephrotic syndrome, its complications and management.

Short questions

- 1] Autosomal dominant polycystic kidney disease. (Repeated)
- 2] Nephrotic syndrome – Clinical features and management (Repeated)
- 3] Etiopathogenesis of acute Glomerulonephritis (Repeated)
- 4] Management of anaemia in end stage renal disease. (Repeated)
- 5] Management of chronic renal disease (Repeated)
- 6] Rapidly progressive Glomerulonephritis (Repeated)
- 7] Renal replacement therapy (Repeated)
- 8] CRRT
- 9] Describe the sodium handling by nephron discuss SIADH
- 10] Diet in Chronic Renal Failure.
- 11] Metabolic bone disease in chronic kidney disease
- 12] Renal Biopsy.
- 13] Renal tubular function test
- 14] Renal vein thrombosis.



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- 15] Types and causes of acute renal failure
 - 16] Urea clearance ratio.
 - 17] Kidney as endocrine gland
 - 18] Lupus Nephritis

Disorders of the Gastrointestinal System

Long questions

- 1] Describe causes clinical features and management of massive upper GI bleeding
- 2] Describe etiopathogenesis clinical features and management of malabsorption syndrome (Repeated)
- 3] Describe gastric anatomy and physiology of gastric secretion. Discuss pathophysiologic basis of peptic ulcer disease. How will you manage a case of peptic ulcer ?
- 4] Describe pathology clinical features and management of inflammatory bowel disease or
Discuss clinical features of inflammatory bowel diseases. Describe treatment and complications of ulcerative colitis.
- 5] Discuss etiology clinical feature investigation and treatment of acute liver failure or
Describe pathophysiology clinical feature complication and management of acute hepatic failure
- 6] Discuss etiology clinical features and management of acute pancreatitis.
- 7] Discuss etiopathology serology and viral markers in acute viral hepatitis or
Discuss management of acute viral hepatitis.
- 8] Describe pathophysiology evaluation and management of hepatitis b induced according active hepatitis
- 9] Discuss portal hypertension and management of its complication (Repeated)
- 10] Write and discuss approach to patient of chronic diarrhoea



Short questions

- 1] Diagnosis and treatment of coeliac disease
- 2] Etiology complication and management of amoebiasis
- 3] Hepatocellular carcinoma
- 4] Irritable bowel syndrome (Repeated)
- 5] Physiology of gastric acid secretion (Repeated)
- 6] Portal vein anatomy and classification of portal hypertension (Repeated)
- 7] Probiotics (Repeated)
- 8] H. Pylori infection or Treatment of h. Pylori infection (Repeated)
- 9] Treatment of ulcerative colitis (Repeated)
- 10] Management of Hepatitis B
- 11] Glucagon like peptides.
- 12] Gut hormones.
- 13] Hepatorenal syndrome.
- 14] Acute porphyrias
- 15] Chronic pancreatitis.
- 16] Clinical features and management of G.E.R.D.
- 17] Indications and types of liver transplant.
- 18] Non-alcoholic steatorrhea hepatitis.
- 19] Recent advances in Treatment of hepatitis C.
- 20] Splenic abscesses.
- 21] Probiotics and prebiotics in medicine
- 22] Clinical presentation of tuberculous abdomen in an immuno-compromised patient.



Immune-Mediated, Inflammatory, and Rheumatologic Disorders

Long questions

- 1] Discuss an approach to a case of osteoporosis outline its treatment
- 2] Discuss clinical features complications of management of a SLE
- 3] Discuss pathogenesis of inflammatory polyarthritis discuss treatment of ankylosing spondylosis
- 4] Discuss pathogenesis of inflammatory polyarthritis. Discuss treatment of RA (rheumatoid arthritis)
- 5] Discuss etiopathogenesis clinical features investigations and management of rheumatoid arthritis.

Short questions

- 1] Anaphylaxis (Repeated)
- 2] Disease modifying drugs in treatment of rheumatoid arthritis (Repeated Multiple Times)
- 3] Biological agents in treatment of rheumatoid arthritis (Repeated Multiple Times)
- 4] Respiratory manifestation of rheumatoid arthritis
- 5] Extra articular manifestation of rheumatoid arthritis (Repeated Multiple Times)
- 6] Complement system (Repeated)
- 7] Acute gouty arthritis (Repeated)
- 8] Describe uric acid metabolism and discuss complications of hyperuricemia.
- 9] Uric acid metabolism in health and disease
- 10] Treatment of osteoporosis (Repeated)
- 11] Ankylosing spondylosis
- 12] Antiphospholipid syndrome
- 13] Clinical presentation and diagnosis of mixed connective tissue disorder
- 14] Diagnosis of APLA syndrome
- 15] Diagnostic blood tests in connective tissue disorders.
- 16] Effector cells of immune system and their functions in innate immunity



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- 17] Hypersensitivity reaction.
 - 18] Immune reconstituent inflammatory syndrome (iris).
 - 19] Lupus nephritis
 - 20] Method of immediate and long term immunosuppression
 - 21] Paget's disease.
 - 22] Polyarteritis nodosa
 - 23] Psoriatic arthropathy
 - 24] Raynaud's phenomenon
 - 25] Role of dexamethasone scan.
 - 26] Role of newer steroids.
 - 27] Scleroderma.
 - 28] Systemic sclerosis
 - 29] Immunological diseases of respiratory system

Endocrinology

Long questions

- 1] Discuss anatomy, physiology of various anterior pituitary hormone secretion and regulation.
 - 2] Discuss aetiopathogenesis, clinical features, investigations and treatment of hypothyroidism.
 - 3] Discuss clinical features, investigations and management of thyroid disorders.
 - 4] Discuss pathophysiological basis of therapeutic intervention of incretin hormone
 - 5] Discuss renin-angiotensin-aldosterone axis in health and disease
 - 6] Enumerate Endocrinal Emergencies. Discuss clinical features, investigations Addison's Disease.
 - 7] Describe female sexual dysfunction
 - 8] Enumerate endocrine emergencies. Discuss approach to a case of DKA.
 - 9] What are the physiological effects of exercise? How is exercise useful in diabetes mellitus and cardiovascular diseases? What are the precautions to be taken while exercising in patients having diabetes?
 - 10] Discuss hormone replacement therapy in geriatric patients
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Short questions

- 1] Arginine vasopressin system (Repeated)
- 2] Acanthocytosis
- 3] Adiponectin
- 4] Approach to hypercalcemia
- 5] Cardiovascular abnormality in endocrine disorders
- 6] Diagnosis and treatment of Addison's disease or Primary adrenal insufficiency (Repeated Multiple Times)
- 7] S.I.A.D.H. (Repeated)
- 8] Sheehan syndrome
- 9] T3 toxicosis
- 10] Thyroiditis
- 11] Vitamin D resistant rickets
- 12] Dwarfism.

Obesity, Diabetes Mellitus, and Metabolic Syndrome

Long questions

- 1] Discuss in brief about the chronic complications of Diabetes Mellitus. Outline the management of a case of diabetes who is not responding to maximum permissible doses of glimepiride and metformin.
- 2] Discuss newer management of type 2 diabetes mellitus.
- 3] Discuss recent advances in management of diabetes mellitus
- 4] Discuss pathogenesis of obesity and its management with emphasis on pharmacological management

Short questions

- 1] Evaluation of hypoglycemia or Hypoglycemia (Repeated Multiple Times)
 - 2] Hyperglycemic hyperosmolar state
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- 3] Insulin analogues (Repeated Multiple Times)
- 4] Latent autoimmune diabetes of adult
- 5] Management of diabetic ketoacidosis (Repeated Multiple Times)
- 6] Newer insulins (Repeated Multiple Times)
- 7] Newer oral antidiabetic drugs (Repeated Multiple Times)
- 8] Diagnostic tools to confirm obesity.
- 9] Drugs that cause weight gain.
- 10] Principles of management of obesity.

Neurologic Disorders

Long questions

- 1] Describe anatomy of spinal cord discuss on non compressive myelopathy
- 2] Describe anatomy of spinal cord discussion on compressive myelopathy
- 3] Nerve supply of urinary bladder discuss neurogenic bladder
- 4] Describe parkinsonism describe pathogenesis clinical features and management of Parkinsonism
- 5] Describes neuroanatomy and abnormalities of autonomic nervous system
- 6] Discuss anatomy of anterior circulation in brain and localisation of lesion in anterior circulation stroke (carotid system circulation)
- 7] Describe physiology of tone write various disorders of tone
- 8] Discuss clinical evaluation of acute flaccid quadriplegia
- 9] Discuss approach to the patient of flaccid paralysis. Discuss aetiopathogenesis, clinical features investigations and treatment of GBS.
- 10] Discussion approach to patient of acute flaccid quadriplegia discuss management of acute demyelinating polyradiculoneuropathy
- 11] Classified Demyelinating disorders of central nervous system discuss its pathogenesis clinical features and treatment of acute disseminated encephalomyelitis
- 12] Discuss clinical features, complications, investigations and management of Motor Neuron Disease.
- 13] Define etiology clinical features of vitamin B12 deficiency and discuss management of subacute combined degeneration



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- 14] Classify Seizure disorders. Outline the algorithm for management of an adult patient with seizures and add a note on management of refractory epilepsy.
 - 15] Discuss recent advances in acute stroke management

Short questions

- 1] Anatomy of the posterior circulation of the brain. (Repeated)
- 2] Cerebral oedema.
- 3] Cerebro venous thrombosis
- 4] Recent management of acute stroke
- 5] Young Stroke.
- 6] Intracranial hypertension
- 7] Migraine or Management of migraine.(Repeated)
- 8] Myoclonic seizures.
- 9] Prion Diseases or Crutzfeldt jakob disease (Repeated)
- 10] Recent advances in management of epilepsy
- 11] Newer antiepileptic agents (Repeated)
- 12] Nonconvulsive status epilepticus (Repeated)
- 13] Treatment of multiple sclerosis.
- 14] Indication of MRI in neurology
- 15] Magnetic resonance imaging in spinal cord disorders
- 16] Chronic fatigue syndrome.

Poisoning, Drug Overdose, and Envenomation

Short questions

- 1] Treatment of organophosphorus poisoning
- 2] Treatment of viper envenomation
- 3] Neuro-paralytic snake bite.



Terrorism and Clinical Medicine

Short questions

- 1] Discuss microbial bioterrorism.
- 2] Biological war
- 3] Botulism
- 4] Microbiol terrorism

Disorders Associated with Environmental Exposures

Short questions

- 1] Heat stroke (Repeated Multiple Times)
- 2] Hyperbaric medicine or Hyperbaric oxygen therapy (Repeated)

Consultative Medicine

Long questions

- 1] Discuss management of heart disease in pregnancy

Short questions

- 1] Diagnosis and management of gestational diabetes
- 2] Discuss medical evaluation of surgical patients
- 3] Pre-anaesthetic evaluation in pregnancy.

ALLIED SUBJECTS

Radiology

- 1] Indication of MRI in neurology
- 2] Magnetic resonance imaging in spinal cord disorders
- 3] Discuss radiology guided procedures in modern medicine
- 4] Doppler imaging.
- 5] MRI (Magnetic Resonance Imaging)
- 6] PET CT brain in medicine or PET scan-clinical utility (Repeated)



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- 7] Uses of CT Scan
 - 8] Indication of MRI in neurology
 - 9] Magnetic resonance imaging in spinal cord disorders
 - 10] Differential diagnosis of ring enhancing lesion in patient of AIDS.

Psychiatry

- 1] Acute psychosis.
- 2] Alcohol de addiction program
- 3] Bipolar disorder
- 4] Chronic effects of opioids
- 5] Cocaine abuse.
- 6] Panic phobic disorder
- 7] Delirium tremens (Repeated)
- 8] Depression in Association with medical illnesses
- 9] Drug induced psychosis.
- 10] Electroconvulsive therapy
- 11] Hysteria
- 12] Manchhausen Syndrome
- 13] Obsessive compulsive disorder (Repeated Multiple Times)

Dermatology

- 1] Oral manifestations of systemic diseases (Repeated)
- 2] Differential diagnosis of hyper pigment in skin lesions
- 3] Discuss Dermatological manifestations of internal diseases.
- 4] Skin manifestation of systemic disease
- 5] Erythema nodosum.
- 6] Steven Johnson Syndrome



Pharmacology

Long questions

- 1] Describe mechanisms of antibiotic resistance and steps to prevent the same.

Long questions

- 1] Describe antimicrobial resistance
- 2] Pharmacokinetics of drug process
- 3] Phases of clinical trials (Repeated)
- 4] The polypill
- 5] Azetreonam
- 6] Clofazimine.
- 7] Rituximab (Repeated)
- 8] DPP inhibitors (Repeated)
- 9] Statins
- 10] Peakless insulins.(Repeated)
- 11] Tnf Alpha blocker (Repeated)
- 12] Mycophenolate mofetil
- 13] Alteplase
- 14] Probiotics and prebiotics in medicine
- 15] New antibiotics
- 16] Newer anticoagulants.
- 17] Newer antiepileptic drug (Repeated Multiple Times)
- 18] Newer anti-fibrinolytic drugs
- 19] Newer concepts in treatment of inflammatory bowel disease.
- 20] Newer insulins (Repeated Multiple Times)



Recent Advances and Miscellaneous

Long questions

- 1] Discuss Blood component therapy with special emphasis on future artificial oxygen carriers
- 2] Discuss hormone replacement therapy in geriatric patients
- 3] Discuss new vaccine approaches in clinical medicine
- 4] Recent advances in Treatment of hepatitis C.
- 5] What are the various scans used in medical practice ? Write a note on radioactive iodine.
- 6] Discuss newer management of type 2 diabetes mellitus.
- 7] Discuss recent advances in management of diabetes mellitus
- 8] Discuss interventions in cardiovascular disease
- 9] Discuss recent investigations and treatment of acute myocardial infarction.

Short questions

- 1] Nosocomial and device related infections
 - 2] The polypill
 - 3] New antibiotics
 - 4] Newer anticoagulants.
 - 5] Newer antiepileptic drug (Repeated Multiple Times)
 - 6] Newer anti-fibrinolytic drugs
 - 7] Newer concepts in treatment of inflammatory bowel disease.
 - 8] RT Pro BNP
 - 9] Stents in medicine (Repeated)
 - 10] Drug eluting stents
 - 11] Polymerase chain reaction (Repeated)
 - 12] Endocannabinoid system
 - 13] Health Advisors of international travel
 - 14] HLA typing for organ transplantation
 - 15] Organ transplant act. or Organ transplant medicolegal aspects (Repeated)
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- 16] Immunonutrition
 - 17] Interferon Gamma assays
 - 18] Intra-aortic balloon pump.
 - 19] Middle East Respiratory Syndrome Corona Virus Infection.
 - 20] Nanotechnology (Repeated Multiple Times)
 - 21] Nanotherapy in clinical medicine or Nanoparticle a emerging use in medicine
 - 22] Nanomedicine and smart drugs
 - 23] Narcotesting (narco analysis)
 - 24] Polysomnography
 - 25] Radiation therapy and toxicity
 - 26] Uses of lasers in medicine
 - 27] Recent advances in the management of Non Hodgkins lymphoma
 - 28] Role of monoclonal antibodies in hematology
 - 29] Leading innovation in cardiac nuclear imaging
 - 30] Newer drug therapy management of hypertension
 - 31] Recent advances in management of Aortic stenosis.
 - 32] Recent management of Atrial fibrillation.
 - 33] Indications of Pleurodesis.
 - 34] Newer insulins (Repeated Multiple Times)
 - 35] Peakless insulins.
 - 36] Newer oral antidiabetic drugs (Repeated Multiple Times)

