General Medicine

Theory Examination 2 Paper

1st Paper 60 Marks
2nd Paper 60 Marks
Total 120 Marks

Questions in Both Papers

1) Long Question (Basic & Allied)	1	= 10 Marks
2) Long Question- clinical problem	1 out of 2	= 10 Marks
3) Short Question	5 out of 7	= 5 x 4 =20 Marks
4) Short Notes	5 out of 7	= 5 x 4 =20 Marks
Total		= 60 Marks

Medicine Paper I

1. Cardiology
2. G I System
3. Genitourinary
4. Deficiency Disorder
5. Tropical
6. Rheumatology
7. Genetics and Immunology

Medicine Paper II

1. Respiratory System
2. Endocrinology
3. Haematology
4. Infections Including HIV
5. Neurology
6. Psychiatry
7. Dermatology and STD

Structure of Practical Examination

Total Practical Marks = 100 Marks

A. One long Case = 60 Marks
History Taking = 15 Marks
Demonstration = 30 Marks
Discussion = 15 Marks

B. One Short Case = 30 Marks

C. 2 Spot Cases
2 Subjects to be given
5+5 = 10 Marks

Total = 100 Marks

Structure of Oral Examination

Instrument, Flying Oral Emergency, Chest, X-ray, ECG, CT = 4 Marks x 5 = 20 Marks

Internal Assessment

General Medicine

Continuous Assessment Marks		Final Assessment Marks		Internal Assessment Marks		Total (a+c) (b+d)	
Theory/Oral (a) 15	Practical/Clinical (b) 15	Theory/Oral (c) 15	Practical/Clinical (d) 15	Theory/Oral (a+c) 15	Practical/Clinical (b+d) 15		

THE WEST BENGAL UNIVERSITY OF HEALTH SCIENCES
SUB: MEDICINE EXAMINATIONS
(SEMESTERWISE DISTRIBUTION)

CONTINUOUS INTERNAL ASSESSMENT EXAMINATION

THEORETICAL	PRACTICAL
	2nd PROFESSIONAL
I. At the end of 5 th Semester classes	Ward ending 3rd Semesters – 6 weeks
II. At the end of 7th Semester classes	Ward ending 5th Semester
III. At the end of 9 th Semester classes	Ward ending 6th Semester
	3rd PROFESSIONAL
	IV) Ward ending 7th Semester
	V) Ward ending 8 th Semester
	VI) Ward ending 9 th Semester

FINAL INTERNAL ASSESSMENT EXAMINATION

THEORETICAL	PRACTICAL
DURING 9 SEMESTER	DURING 9 SEMESTER

FINAL UNIVERSITY EXAMINATION
3rd PROFESSIONAL PART II

THEORETICAL	PRACTICAL
DURING 9 SEMESTER	DURING 9 SEMESTER

MARKS DISTRIBUTION

Continuous Internal Assessment		Assessment Final Internal		Total Internal Assessment		
Theory (a)	Practical/Clinical (b)	Theory (c)	Practical/ Clinical (d)	Theory (a)+ (c)=e	Practical/Clinical (b)+(d)	(e)+(f)
15	15	15	15	30	30	60

FINAL UNIVERSITY EXAMINATION (3rd. Prof. Part-II)

Theory Paper I & II	Oral	Practical/Clinical
2.1/2 hr. each		
60 marks Paper	20	100

CONTINUOUS INTERNAL ASSESSMENT
GENERAL MEDICINE

Name of the student_____
College Roll No._____ **WBUHS Registration Number**_____

Semester -3 General Medicine –6 weeks

	Attendance	% Marks
Lecture		
Clinics		
Tutorial		
Emergency		

Semester –4 Chest Med.-2 weeks

	Attendance	% Marks
Lecture		
Clinics		
Tutorial		
Emergency		

Semester -4 Skin & STD-2 weeks

	Attendance	% Marks
Lecture		
Clinics		
Tutorial		
Emergency		

Semester –5 General Medicine – 4 weeks

	Attendance	% Marks
Lecture		
Clinics		
Tutorial		
Emergency		

Semester –5 Psychitry –2 weeks

	Attendance	% Marks
Lecture		
Clinics		
Tutorial		
Emergency		

Semester –6 Skin & STD – 2 weeks

	Attendance	% Marks
Lecture		
Clinics		
Tutorial		
Emergency		

Semester- 7 General Medicine –4 weeks

	Attendance	% Marks
Lecture		
Clinics		
Tutorial		
Emergency		

Semester – 8 General Medicine – 6 weeks

	Attendance	% Marks
Lecture		
Clinics		
Tutorial		
Emergency		

Semester –8 Skin & STD –2 weeks

	Attendance	% Marks
Lecture		
Clinics		
Tutorial		
Emergency		

Semester –9 General Medicine –6 weeks

	Attendance	% Marks
Lecture		
Clinics		
Tutorial		
Emergency		

Average		Total	
% Attendance		% Marks	
Lecture		Theoretical= 15	
Non-Lecture		Practical=15	

Signature of the Principal Signature of the Head of the Dept.

THE LECTURE SCHEDULE OF M.B.B.S. STUDENTS
SUBJECT: MEDICINE

4TH & 5TH SEMESTER	
SL.NO.	**T.B. AND RESPIRATORY DISEASES**
1	Introduction: Applied Anatomy, Physiology, Pathology and Microbiology, Investigations
2	Pneumonias
3	Lung Abcess, Bronchiectasis, Empyema
4	Bronchitis, Emphysema
5	Bronchitis, Emphysema
6	Asthma, Tropical Eosinophilia, Interstitial Lung Diseases.
7	Neoplasm of Lungs And Pleura
8	Neoplasm of Lungs And Pleura
9	Diseases of Pleura, Pneumothorax, Collapse Of Lungs
10	Pulmonary TB and MDR Tuberculosis
11	Pulmonary TB and MDR Tuberculosis
12	Other Lung Diseases and ARDS
	SKIN AND STD DISEASES
1	Introduction: Applied Anatomy, Physiology, Biochemistry, Embryology, Pathology and Microbiology.
2	Bacterial Diseases and Tropical Infections
3	Bacterial Diseases and Tropical Infections
4	T.B., Syphilis
5	Leprosy
6	Viral Skin Diseases: Herpis Simplex, Herpis Zoster, Warts, Molluscum Contagiosum, Condyloma Acuminatum, Exant Hemata
7	Parasitic Skin Diseases and Skin Diseases Due To Animal Organism: Scabies, Pediculosis, Insect Bite, Filariasis
8	Parasitic Skin Diseases and Skin Diseases Due To Animal Organism: Scabies, Pediculosis, Insect Bite, Filariasis
9	Fungal Skin Diseases: Tinea, Moniliasis, Actinomycosis, Rhinosporidosis
10	Dermatitis And Eczema, Skin Affection By Physical Agents (Heat, Light, Cold, Friction etc.)
11	Dermatitis And Eczema, Skin Affection By Physical Agents (Heat, Light, Cold, Friction etc.)
	GENERAL MEDICINE (GASTRO-INTESTINAL SYSTEM)
1	Introduction: Applied Anatomy, Physiology, Pathology and Microbiology, Investigations
2	Diseases of mouth, oesophagus, dysphagia, hiatus hernia, pharyngeal pouch (GORD)
3	Peptic ulcer with special reference to H. pylori infection
4	Gastro-duodenal bleeding: hematemesis, malaena
5	Malabsorption syndrome
6	Inflammatory bowel disease and peritoneal disease
7	Diarrhoea, dysenteries, I.B.S.
8	Cirrhosis of liver, portal hypertension, ascites, jaundice, hepatic coma (porto-systemic encephalopathy)
9	Cirrhosis of liver, portal hypertension, ascites, jaundice, hepatic coma (porto-systemic encephalopathy)
10	Viral hepatitis, amoebic hepatitis & abscess, alcoholic liver disease
11	Viral hepatitis, amoebic hepatitis & abscess, alcoholic liver disease

12	Liver tumours, peritoneal diseases
13	Diseases of Gall Bladder and biliary tract
14	Diseases of Pancreas
15	Recent advances in Gastroenterology
	ENDOCRINOLOGY
1	Introduction to endocrine diseases: Applied Anatomy, Physiology- hormone receptors, central control and feedback (positive and negative)
2	Hypothalamic and pituitary diseases
3	Diseases of thyroid and parathyroid including calcitonin secretion and disorder
4	Diseases of thyroid and parathyroid including calcitonin secretion and disorder
5	Disorders of sex and reproduction
6	Diseases of adrenals- cortex and medulla
7	Diseases of adrenals- cortex and medulla
8	Ectopic hormone secretion and endocrine treatment of malignancies, hormone replacement therapy.
9	Chromosomal disorders.
	PSYCHIATRY
1	Introduction and general aspects: Epidemiology, community psychiatry, techniques of the psychiatric interview and psychiatric history taking
2	Symptomatology: Symptoms and signs of psychiatric disorders- concept of normality, identification and assessment of symptoms, subtle and gross signs of abnormal behaviour. Principles of treatment used in Psychiatry – Psychotherapy, Behaviour therapy, cognitive therapy, physical treatment including drugs, social treatment, E.C.T. psycho-surgery: "Psychiatric First Aid".
3	-do-
4	Etiology of mental disorders- giving balanced presentation of its multifactorial causation (genetic endowment, somatic, psychological and social)- predisposing precipitating and perpetuating factors. Classification of psychiatric disorders and concept of psychosomatic diseases.
5	Organic psychiatric disorders- delirium, dementia, substance misuse (alcoholism and drug abuses).
6	Schizophrenia and delusional disorders
7	Affective disorders-depression, mania, suicide and attempted suicide (deliberate self harm)
8	Neuroses and personality disorders- anxiety and neurosis, obsessional neurosis, hysterical neurosis, hypochondriacal neurosis.
9	Reaction to severe stress- acute stress reaction and post traumatic stress disorders (PTSD), Eating disorders- anorexia nervosa, bulimia nervosa, obesity sleep disorders, insomnia, parasomnias. Sexual dysfunction and puerperal psychosis
10	Mental retardation and children's behaviour problem
11	Community psychiatry ans psychiatric emergencies, legal aspect of psychiatry
12	Psychiatric prevention and mental health promotion and role of general practitioner.
	6TH & 7TH SEMESTER
	SKIN AND STD
1	Bullous dermatoses and tumours of skin
2	Diseases associated with sebaceous glands (seborrhoeic dermatitis, Acne vulgaris, Acne Rosacea, Pityriasis capititis), sweat glands, hairs and nails.
3	Cutaneous manifestations of systemic diseases and malignancy
4	Pigment disorders

5	Diseases of mucous membranes (mouth & genitalia)
6	Skin affections in Metabolic, Nutritional, Vascular and Endocrinal disorders
7	Erythamato-squamous and lichenoid eruptions- psoriasis, pityriasis rosea, exfoliating dermatitis, lichen planus and other lichenoid eruptions
8	Congenital disorders-Naevi, albinism, Ichthyosis, keratodermas, Epidermolysis bullosa
9	Pruritus
10	Principals of dermatological treatment including skin surgery and physical treatment
	HAEMATOLOGY
1	Haemolytic Anaemia
2	Approach to a bleeding patient
3	Iron deficiency Anaemia, Macrocytic Anaemia
4	Leukaemias
5	Leukaemias
6	Lymphoma
7	Haematological manifestation of systemic disorders
8	Haematoproliferative disorder- Multiple Myeloma
9	Aplastic Anaemia
10	Transfusion Medicine
	DISEASES OF KIDNEY, URETER AND BLADDER
1	Introduction- Pathophysiology and Investigations
2	Glomerulonephritis and acute nephritic syndrome
3	Urinary tract infection and tubulo-interstitial nephritis
4	Renal affection in systemic diseases- SLE, Vasculitis, Diabetes, systemic sclerosis, amyloidosis, multiple myeloma, haemolytic uraemic syndrome, gout, Hypertension, Renal artery stenosis, renal vein thrombosis
5	Renal affection in systemic diseases- SLE, Vasculitis, Diabetes, systemic sclerosis, amyloidosis, multiple myeloma, haemolytic uraemic syndrome, gout, Hypertension, Renal artery stenosis, renal vein thrombosis
6	Calculi and Nephrocalcinosis, Hydronephrosis, Obstructive uropathy
7	Acute renal failure
8	Dialysis
9	Nephritic syndrome
10	Chronic renal failure and fluid-electrolyte balance, Acidosis and alkalosis
11	Chronic renal failure and fluid-electrolyte balance, Acidosis and alkalosis
12	Cystic, congenital and familial diseases of kidneys
13	Drugs and kidneys
14	Tumours of the kidney and genitor-urinary tract, hypernephroma, Wilm's tumour, renal adenoma, prostatic adenoma and Ca-prostate, testicular tumours
15	Recent advances in Nephrology
	CARDIOVASCULAR SYSTEM
1	Introduction: Applied Anatomy, Physiology, Pathology and Microbiology, Investigations
2	Disorders of cardiac rhythm and conduction
3	Disorders of cardiac rhythm and conduction
4	Rheumatic Fever
5	Valvular heart diseases
6	Valvular heart diseases
7	Valvular heart diseases
8	Bacterial Endocarditis
9	Pericarditis and pericardial effusion

10	I.H.D.
11	I.H.D.
12	Cardimyopathy, Myocarditis
13	Hypertension
14	Heart failure
15	Cor-pulmonale
16	Congenital heart disease
17	Recent advances in Cardiology
	METABOLIC DISEASES AND NUTRITIONAL DISEASES
1	Introduction and Nutritional Therapy
2	Diabetes Mellitus complications, C/F, etiology, management
3	Diabetes Mellitus complications, C/F, etiology, management
4	Diabetes Mellitus complications, C/F, etiology, management
5	Disorders of lipid metabolism
6	Inborn errors carbohydrate, amino acid metabolism, Lyscaemal storage disease
7	Amyloidosis and porphyria
8	Osteoporosis and osteomalacia
	POISONING AND ADVERSE DRUG REACTIONS
1	Introduction and General Principles of management
2	corrosives- H_2SO_4, HCl, HNO_3, Carbolic and Oxalic Acids, NaOH
3	Phosphorus, Organophosphorus & Chloride
4	Analgesics, salicylate, paracetamol, opium, inebrients, alcohol, chloroform, CH_3OH
5	DHATURA, Cannabis, Vegetable irritants, aconite, Nux Vomica, Mushrooms, Argemone mexicanna poisoning
6	CO and Phosgene Gas Cyanide
7	Metallic: As, Hg, Pb, $CuSO_4$, Al, Fe
8	Animals: Scorpion, Cantherides, Snake bites
9	Psychotropic drugs and Hypnotic
10	Adverse drug reactions- definition, classification, factors and diseases influencing drug reactions Monitoring and Reduction of adverse drug reactions
	INTENSIVE CARE MEDICINE
1	General aspects of intensive care, O_2 delivery and features of shock, C.V.P.
2	Renal, respiratory failure (ARDS), Brain death
	8TH & 9TH SEMESTER
	NEUROLOGY
1	Introduction: Applied Anatomy, Physiology, Pathology and Microbiology, Investigations
2	Disorders affecting cranial nerves
3	Coma and brain death
4	Epilepsy and brain tumours
5	Cerebro-vascular diseases
6	Movement disorders- Parkinsonism and other disorders affecting the extra-pyramidal system
7	Demyelinating diseases and disorders to sleep
8	Infection of nervous system (Poliomyelitis, Pyogenic Meningitis, T.B. Meningitis, fungal and other viral affection including encephalitis), Syphilis of nervous system
9	Paraplegia and other disorders of spinal cord
10	Peripheral neuropathies
11	Degenerative disorders-M.N.D. hereditary ataxias

12	Myopathies, myasthenia, paramalignant neurological syndrome
13	Cervical spondilosis and disc. Syndrome
14	Recent advances in Neurology
	RHEUMATOLOGY, CONNECTIVE TISSUE AND COLLAGEN DISEASES.
1	Introduction-anatomy, physiology and pathology (typical synovial joint description) Investigation
2	Osteoarthrosis and spondylo-arthopathies - ankylosing spondylitis, Reiter's syndrome, reactive arthritis, enteropathic synovitis, juvenile chronic arthritis (Still's juvenile R.A. Juvenile ankylosing spondylitis).
3	Infective arthritis – pyogenic, T.B. ,VIRAL
4	Rheumatoid arthritis
5	Crystal deposition diseases - Gout, pyrophosphate arthropathy acute calcific periarthritis.
6	Connective tissue diseases - S.L.E., systematic sclerosis (morphea CREST syndrome polymyositis dermetomyositis, MCTD & vasculitis (PAN, polymyaligia imatica & Giant cell arteritis)
7	Back pain & disc diseases (acute & chronic)
8	Recent advances
	INFECTIONS AND TROPICAL DISEASES
1	Measles, Mumps
2	Dengue, Diphtheria
3	Chicken Pox, Herpes
4	Small Pox, Plague, Anthrax
5	Whooping cough , Influenza
6	Tetanus, Rabies
7	Typhoid, Typhus
8	Cholera & Dysenteries and fluid and electrolyte balance
9	Malaria
10	Kala-azar
	SKIN AND STD
1	Discoid lupus , PAN
2	Chancroid, Granuloma venereuma, lymphogranuloma venrereum
3	Gonorrhoea, Chlamydia and other causes of urethritis
4	Sexually transmitted viral disease.
5	STD control measures and aids prevention.
	GENERAL MEDICINE
1	STD/HIV interface ; AIDS and related disorders-definition, etiology laboratory diagnosis, Immunology
2	Clinical features of HIV infections and complications, treatment of HIV

MEDICINE

Paper -I

Full Marks -60

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Enumerate the causes of irregular pulse. Discuss the etiology & management of Atrial fibrillation. 2+2+6 = 10

Or

1. (a) Outline the etiology, clinical features & management of Infective endocarditis. 2+4+4 = 10

2. Enumerate four common causes of haematemesis and malaena. How would you manage a case of haematemesis and malaena ? 3+7= 10

Or

2. (a) Enumerate the different viruses causing hepatitis. What are the complication of vital hepatitis? How would you prevent Hepatitis 'BI infection? 3+3+4 = 10

3. How do you proceed to diagnose a case of Polyarthritis? 10

Or

3. (a) Describe the clinical features of a case of acute falciparum malaria 10

4. Answer any three (3 x 5) = 15

   i. Thrombolytic therapy in AMI
   ii. Diagnostic criteria of SLE.
   iii. Bone changes in Chronic renal failure.
   iv. Features of Vit B12 deficiency.
   v. Laboratory Diagnosis of Chronic Kala-azar.

5. Answer any three (Short notes) (3 x 5) = 15

   i. Cyanosis
   ii. G6PDdeficiency.
   iii. Granular Cast.
   iv. Acute gastroenteritis-treatment.
   v. Gene therapy.

MEDICINE
Paper -II
Full Marks -60

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

1. What are the causes of unilateral dullnes of the chest? How will you proceed to investigate a case of left sided pleural effusion? 3+7 = 10

Or

1 (a) Discuss the causes of hyperresonant percussion note on chest?
Outline the management of acute exacerbation of COPD? 3+7 = 10

2. What are the causes of acute onset paraplegia? Discuss the clinical features of a case of Pott's disease of the spine producing paraplegia. 3+ 7 = 10

Or

2 (a) Outline the clinical features and management of Diabetic ketoacidosis. 4+6 = 10

3. Mention the causes of Haemolytic anaemia. Out line the management of Aplastic anaemia. 4+6 = 10

Or

3 (a) Discuss the clinical features and management of a case of Myxoedema. 6+4 = 10

4. Answer any three (3 x 5)=15.
i. Common AIDS defining conditions
ii. Complications of Fauceal diptheria.
iii. Depression management.
iv. Clinical features of Hypoglycemia.
v. Role of CSF examination in medical disorders.

5. Short notes (any three) (3 x 5) = 15
i. Psoriasis.
ii. Hyperkalaemia.
iii. Stevens Johnson Syndrome.
iv. Oedema of lower limbs.
v. Chorea.