

**FINAL M.B.B.S. DEGREE EXAMINATION
PART – II**

Revised (Non-Semester) Regulations

Paper VII – PAEDIATRICS INCLUDING NEONATOLOGY

Q. P. Code : 524087

Time : Three hours

Maximum: 100 Marks

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

I. Essay Questions :

(2 x 15 = 30)

1. Describe the growth chart, uses of growth chart, in paediatric clinic and causes of growth failure.
2. What are the causes of proportionate dwarfism.
Describe the features of endemic goitre investigations and treatment for the same.

II. Write Short notes on :

(10 x 5 = 50)

1. Genetic Counselling.
2. Non Nutritional rickets.
3. Causes of convulsions in newborn period.
4. Causes of lactation failure.
5. Kangaroo mother care.
6. Breath holding spells.
7. Radiological assessment of age.
8. Peripheral smear in thalassemia.
9. Components of TOF.
10. Components of kartazenaar's syndrome.

III. Short Answer Questions :

(10 x 2 = 20)

1. Vitamin 'A' prophylaxis.
2. Pseudotumor cerebri causes.
3. Components of primary complex.
4. Shake test.
5. Causes for preventable mental retardation.
6. Four complications of measles.
7. Treatment of pertusis.
8. Triple test in newborn screening.
9. USG findings of down's syndrome antinatally.
10. Erythema Toxicorum.

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I. Essay Questions :

(2 x 15 = 30)

1. Classify congenital heart diseases. Discuss the Hemodynamics, assessment of severity, its course and complications of ventricular septal defect.
2. Discuss CSF circulation.
What are the common causes of Hydrocephalus, also discuss about the diagnosis and treatment of Hydrocephalus.

II. Write Short notes on :

(10 x 5 = 50)

1. Phenobarbitone in Pediatric Practice.
2. Hormonal influence on growth.
3. Hypokalemia in children and its management.
4. Baby friendly Hospital initiative.
5. Pseudotumor Cerebri.
6. Non Shivering Thermogenesis.
7. Eradication of Poliomyelitis.
8. Common Metabolic Neuropathies.
9. Scabies.
10. Platelet Transfusion.

III. Short Answer Questions :

(10 x 2 = 20)

1. Four Preventable causes of Mental Retardation.
2. Four Essential Feature of Kwashiorkor.
3. Four Minor Physiological problems in neonate.
4. Four common causes of persistent diarrhea.
5. Four common Skin problems in Paediatrics.
6. Four factors that can lessen breast Milk production.
7. Four newer Vaccines.
8. Four clinical features of Acute Glomerulonephritis.
9. Four clinical features of Hypothyroidism.
10. Four complications of Diphtheria.

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I. Essay Questions :

(2 x 15 = 30)

1. List the common causes of pyrexia of unknown origin in children.
Briefly indicate the investigations for a child with prolonged fever more than two weeks.
Discuss the specific treatment for six year old child with falciparum malaria.
2. Define failure to thrive in children.
List the investigations for a six month old baby with failure to thrive.
Indicate how to treat a nine month old baby with failure to thrive due to faulty feeding technique.

II. Write Short notes on :

(10 x 5 = 50)

1. Differences between Kwashiorkor and marasmus.
2. Zinc deficiency in children.
3. Measles mumps rubella (MMR) vaccine.
4. Rheumatic fever prophylaxis.
5. Diagnosis of tuberculous meningitis.
6. Management of febrile fits.
7. APGAR score.
8. Baby friendly hospital Initiative.
9. Pediatric HIV infection.
10. Atypical pneumonia in children.

III. Short Answer Questions :

(10 x 2 = 20)

1. Oral rehydration therapy corner.
2. Peripheral smear in iron deficiency anemia.
3. Stepwise management of bronchial asthma.
4. Indications for intravenous immunoglobulins in children.
5. Juvenile rheumatoid arthritis.
6. Differences between cyanotic spell and breath holding spell.
7. Features of viper envenomation.
8. Causes of respiratory distress in new born.
9. Differences between physiological and pathological jaundice in new born.
10. Caput succedaneum.

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Time : Three hours

Maximum: 100 Marks

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

I. Essay Questions :

(2 x 15 = 30)

1. Define Preterm. Enumerate the causes of Preterm.
What are the principles in the management of preterm baby?
2. Define Nephrotic syndrome.
Write in detail laboratory diagnosis and management of minimal change nephrotic syndrome.

II. Write Short notes on :

(10 x 5 = 50)

1. Infant mortality rate.
2. Steps for successful breast feeding.
3. Aetiology of neonatal sepsis.
4. Kangaroo care.
5. Hypothermia of new born.
6. Pneumococcal vaccine.
7. Treatment of acute bronchiolitis.
8. Management of congestive cardiac failure.
9. Oral Rehydration Solution (ORS).
10. Complication of measles.

III. Short Answer Questions :

(10 x 2 = 20)

1. Neonatal screening for hypothyroidism.
2. Principles of Phototherapy.
3. Vitamin 'A' Prophylaxis.
4. Treatment of Nutritional Rickets.
5. Umbilical cord care.
6. Peripheral blood picture in Thalassemia major.
7. Treatment of Streptococcal Pharyngitis.
8. Four common causes of fever with rash.
9. What are the four types of shock?
10. What are the two key signs of dehydration?

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Time : Three hours

Maximum: 100 Marks

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

I. Essay Questions :

(2 x 15 = 30)

1. Write an essay on etiology, complications and management of preterm baby.
2. 2 years old female child weighing 8.2 kgs brought to the Health centre with the complaints of vomiting and diarrhea. How will you approach the child.
Write the management in detail.

II. Write Short notes on :

(10 x 5 = 50)

1. Jaundice in New born
2. ICDS
3. Growth chart
4. Breast feeding advantages
5. Pneumonia
6. SAM
7. Rheumatic fever
8. Adverse events following Immunization
9. ORS
10. Antenatal Diagnosis

III. Short Answer Questions

(15 x 2 = 30)

1. Hypoglycemia.
2. LGA.
3. Caput.
4. Vit K in newborn.
5. Kangaroo care.
6. BFHI.
7. Newer vaccines.
8. Vitamin – A.
9. Diagnosis of Leptospirosis.
10. Contraindication to Bag and Mask ventilation.
11. Definition of Nephrotic Syndrome.
12. Common organisms causing meningitis.
13. Types of VSD.
14. Etiology of Cirrhosis.
15. Use of Ivermectin.

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Time : Three hours

Maximum: 100 Marks

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

I. Essay Questions :

(2 x 10 = 20)

1. Define Cerebral Palsy. Discuss the etiopathogenesis, types, management and differential diagnosis of cerebral palsy.
2. What is diarrhea? Discuss the etiopathogenesis, complications, investigations and management of acute watery diarrhea with severe dehydration.

II. Write Short notes on :

(10 x 5 = 50)

1. Autistic disorder.
2. Differences between marasmus and kwashiorkor.
3. Phototherapy.
4. Idiopathic thrombocytopenic purpura.
5. Complications of Otitis media.
6. Acute respiratory tract infection control programme.
7. Anoxic spells.
8. Febrile convulsions.
9. Reflexes involved in breastfeeding.
10. Tuberculin skin test.

III. Short Answer Questions

(15 x 2 = 30)

1. ECG changes in hypokalemia.
2. Features of nutritional recovery syndrome.
3. Clinical features of zinc deficiency.
4. Reasons for poor chest raise during bag and mask ventilation.
5. Human Papilloma Virus vaccine.
6. Indirect markers of neonatal sepsis.
7. Name antiretroviral therapy drugs used in HIV positive pregnant women.
8. Vascular causes for bleeding.
9. In full term newborn babies the ossification centers present are
10. Amylase rich food.
11. Danger signs in young infant.
12. Steroid toxicity.
13. Important causes of Haematuria.
14. Vitamin A prophylaxis.
15. Causes of acquired hydrocephalus.

**THIRD M.B.B.S. DEGREE EXAMINATION
PART – II**

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Paper VII – PAEDIATRICS INCLUDING NEONATOLOGY

Q. P. Code : 524087

Time : Three Hours

Maximum: 50 Marks

Answer **ALL** questions in the same order.

I. Elaborate on:

(2 x 5 = 10)

1. Define Normal Term Baby, preterm baby, LBW baby, IUGR baby.
Describe in detail the care of preterm baby in hospital and at home.
2. Discuss the differential diagnosis for a child of 1yr age brought with H/o fever, unconsciousness convulsions to the hospital, how will you proceed with the management of ill child?

II. Write notes on:

(10 x 1.5 = 15)

1. Newer vaccines.
2. Febrile convulsions.
3. Diagnosis of AL.
4. Treatment of infective Endocarditis.
5. Renal biopsy in nephrotic syndrome indications and contra indications.
6. Peripheral smear study in diagnosis of Haematological disorders.
7. Dengue Shock Syndrome.
8. ORS in AGE management.
9. Differential diagnosis of a 1yr old child with Acute Respiratory distress & management.
10. ARI Control Programme.

III. Short Answer Questions

(15 x 1 = 15)

1. Newer anti malarial drugs.
2. Management of Snake bite.
3. Reverse cold chain.
4. APGAR score.
5. BFHI.
6. Chronic Diarrhoea causes in children.
7. Prevention of HIV transmission in Paediatrics.
8. Adolescent problems.
9. Physiological jaundice in newborn.
10. Vit A. deficiency in children.
11. Falciparum Malaria complications.
12. Investigations in Dengue fever.
13. Scorpion sting.
14. Hypothermia in newborn - prevention.
15. Hepatitis B vaccine - schedule.

**THIRD M.B.B.S. DEGREE EXAMINATION
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Paper VII – PAEDIATRICS INCLUDING NEONATOLOGY

Q. P. Code : 524087

Time : 180 Minutes

Maximum: 40 Marks

Answer **ALL** questions in the same order.

I. Elaborate on:

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|--|----|----|---|
| 1. Enumerate the causes of respiratory distress in newborn in the first 24 hrs of life. Discuss the diagnosis, management and complications of meconium aspiration syndrome. | 16 | 25 | 5 |
| 2. Describe the etiopathogenesis, clinical features, complications and management of bacterial meningitis. | 16 | 25 | 5 |

II. Write notes on:

- | | | | |
|------------------------------------|---|---|-----|
| 1. Nutritional rickets. | 3 | 8 | 1.5 |
| 2. Pseudotumour cerebri. | 3 | 8 | 1.5 |
| 3. Childhood obesity. | 3 | 8 | 1.5 |
| 4. Staphylococcal pneumonia. | 3 | 8 | 1.5 |
| 5. Hemorrhagic disease of newborn. | 3 | 8 | 1.5 |
| 6. Management of cardiac failure. | 3 | 8 | 1.5 |
| 7. Gastroesophageal reflux. | 3 | 8 | 1.5 |
| 8. Live attenuated vaccines. | 3 | 8 | 1.5 |
| 9. Proportionate short stature. | 3 | 8 | 1.5 |
| 10. Sickle cell crisis. | 3 | 8 | 1.5 |

III. Short Answers on:

- | | | | |
|--|---|---|---|
| 1. Management of acute diarrhea. | 1 | 5 | 1 |
| 2. Principles of phototherapy. | 1 | 5 | 1 |
| 3. Interferon gamma release assay. | 1 | 5 | 1 |
| 4. Bone age. | 1 | 5 | 1 |
| 5. Common causes of childhood hypertension. | 1 | 5 | 1 |
| 6. Diet chart for one year old child. | 1 | 5 | 1 |
| 7. Physiological anemia of infancy. | 1 | 5 | 1 |
| 8. Diagnosis and treatment of hyperkalemia. | 1 | 5 | 1 |
| 9. Cryptorchidism. | 1 | 5 | 1 |
| 10. Oral candidiasis. | 1 | 5 | 1 |
| 11. Early indicators of cerebral palsy. | 1 | 5 | 1 |
| 12. Vaccines in adolescent period. | 1 | 5 | 1 |
| 13. Clinical features of chronic liver disease. | 1 | 5 | 1 |
| 14. Chemotherapy in acute lymphoblastic leukemia | 1 | 5 | 1 |
| 15. Cephalhematoma. | 1 | 5 | 1 |

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Paper VII – PAEDIATRICS INCLUDING NEONATOLOGY

Q. P. Code : 524087

Time : Three Hours

Maximum: 100 Marks

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

I. Elaborate on:

(2 x 15 = 30)

1. Describe the etiopathogenesis, Clinical Features, Investigation, Treatment and Prevention of Rheumatic fever
2. Classify Malnutrition, Describe the Clinical Features, Management and Follow up of Malnutrition

II. Write Short notes on :

(10 x 5 = 50)

1. Growth Charts
2. Meconium aspiration Syndrome
3. Vitamin A Deficiency
4. Reflexes Associated with breast feeding
5. Typhoid Vaccine
6. Complications of Measles
7. Hepatitis B infection
8. Gastrointestinal Causes of Abdominal pain in children
9. Integrated Child Development services Programme
10. Exanthematous fever

III. Short Answer on :

(10 x 2 = 20)

1. Quantitative buffy coat
2. Common Causes of Wheezing in Children
3. Clinical Features of Empyema thoracis
4. Diagnosis of urinary tract infection
5. Symptoms and signs of Diabetic Ketoacidosis
6. Stages of tuberculous meningitis
7. Types of Shock
8. Classification of Acute lymphoblastic Leukemia
9. Exercise induced Asthma
10. Diagnosis of iron Deficiency anemia

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Time : Three Hours

Maximum: 40 Marks

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

I. Elaborate on:

(2 x 7.5 = 15)

1. What is Primary complex? Discuss its manifestations. How will you investigate and manage a child with Primary complex?
2. Discuss the Differential Diagnosis of an infant with a large head. Outline symptoms and signs of hydrocephalus in infancy and children.

II. Write notes on:

(10 x 1.5 = 15)

1. Causes of convulsions in newborn period.
2. Advantages of breast feeding.
3. Breath holding spells.
4. Management of ITP.
5. Respiratory distress syndrome in newborn.
6. Acute lymphatic leukemia.
7. Congenital hypothyroidism.
8. Management of Acute renal failure.
9. Diagnosis of tuberculous meningitis.
10. Pediatric HIV infection.

III. Short Answers on:

(10 x 1 = 10)

1. Complications of Measles.
2. Innocent systolic murmurs.
3. RCH.
4. Hepatitis B vaccine.
5. Bangle test.
6. Galactosemia.
7. Digoxin toxicity
8. Oral rehydration solution.
9. Peripheral smear in iron deficiency anemia.
10. Management of acute severe asthma.

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Q. P. Code : 524087

Time : Three Hours

Maximum: 40 Marks

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

I. Elaborate on:

(2 x 7.5 = 15)

1. Describe the clinical features, diagnosis, management and complications of Acute Bacterial Meningitis in Children.
2. Define Fulminant Hepatic Failure.
Describe its clinical presentation, complications and management.

II. Write notes on:

(10 x 1.5 = 15)

1. Developmental Screening scales
2. HPV vaccine
3. Management of Thalassemia
4. Extra hepatic portal hypertension
5. Post Streptococcal Glomerulonephritis
6. Causes of Splenomegaly
7. Hydrocephalus
8. Genetics of Down syndrome
9. Reverse cold chain
10. Duchenne Muscular Dystrophy

III. Short Answers on:

(10 x 1 = 10)

1. Acellular Pertussis vaccine
2. ADHD
3. GE Reflux in children
4. Management of Status Epilepticus
5. Importance of Bone marrow examination
6. DMSA Scan
7. Treatment of Wilson's disease
8. CSF findings in TB meningitis
9. Complications of Nephrotic syndrome
10. Congenital Rubella Syndrome

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Time : Three hours

Maximum: 100 Marks

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

I. Elaborate on:

(2 x 7.5 = 15)

1. Define prematurity. Discuss the complications of prematurity.
How will you manage hyaline membrane disease?
2. Discuss the etiology, clinical features, diagnosis, complications and management of childhood nephrotic syndrome.

II. Write notes on:

(10 x 1.5 = 15)

1. Infant of diabetic mother
2. Nocturnal enuresis
3. Vitamin D resistant rickets
4. Age independent anthropometric measurements
5. Prevention of mother to child transmission in HIV
6. Live Vaccines
7. Therapeutic hypothermia
8. Management of constipation in children
9. Emerging viruses
10. Neonatal screening

III. Short Answers on:

(10 x 1 = 10)

1. Leukotriene modifiers
2. Vesico ureteric reflux
3. Neuro imaging
4. Infant mortality rate
5. Uses of intravenous immunoglobulin in Paediatrics
6. Management of hyperkalemia
7. Sepsis screening in new born
8. X-linked inheritance
9. ICDS
10. Microcytic hypochromic anemia

[LG 557]

FEBRUARY 2015

Sub. Code : 4087

**THIRD YEAR M.B.B.S. DEGREE EXAMINATION
PART II
PAPER VII – PAEDIATRICS INCLUDING NEONATOLOGY**

Q.P. Code: 524087

Time: Three hours

Maximum: 40 Marks

Answer All Questions

I. Elaborate on:

(1 x 10 = 10)

1. Discuss the Etiology, pathogenesis, clinical features, investigations and management of Acute Rheumatic fever in children and also mention complications and the prevention of Acute Rheumatic fever.

II. Write notes on:

(5 x 4 = 20)

1. Prevention and management of Respiratory Distress Syndrome in newborn.
2. Management of cyanotic spell.
3. Complications and management of acute glomerulonephritis.
4. Photo therapy in new born.
5. Antenatal diagnosis of Down's syndrome.

III. Short answers on:

(5 x 2 = 10)

1. Hypo-osmolar ORS
2. Diagnosis of thalassemia
3. Varicella vaccine
4. Management of nutritional rickets
5. Viral markers for hepatitis B

[LH 557]

AUGUST 2015

Sub. Code: 4087

THIRD YEAR M.B.B.S. DEGREE EXAMINATION

PART – II

PAPER VII – PAEDIATRICS INCLUDING NEONATOLOGY

Q.P. Code: 524087

Time : Three Hours

Maximum : 40 marks

Answer ALL questions

I. Elaborate:

(1 x 10 = 10)

1. How will you identify and evaluate a child with severe Acute malnutrition.
How will you manage? Discuss the complications and prevention.

II. Write notes on :

(5 x 4 = 20)

1. Behavioural disorders in children.
2. Define Apnea in Newborn - its causes and management.
3. Chronic diarrhea evaluation and management.
4. Diagnosis and management of Enteric fever.
5. Hypocalcemia - clinical features and management in neonates and children.

III. Short answers on :

(5 x 2 = 10)

1. Prevention of Mother to Child transmission of HBV in HbsAg positive mothers.
2. Role of Zinc in children.
3. Role of Dietary fibers in nutrition.
4. Anti rabies vaccine.
5. Medical fetal therapy for Lung maturity.

[LI 557]

FEBRUARY 2016

Sub. Code: 4087

THIRD YEAR M.B.B.S. DEGREE EXAMINATION

PART - II

PAPER VII – PAEDIATRICS INCLUDING NEONATOLOGY

Q.P. Code : 524087

Time : Three Hours

Maximum : 40 Marks

Answer ALL questions

I. Elaborate on:

(1 x 10 = 10)

1. Write in detail about epidemiology, etiology, recent WHO classification, clinical features and management of Dengue fever.

II. Write notes on:

(5 x 4 = 20)

1. Management of Malaria in children.
2. Wilms Tumor.
3. Age independent indices to diagnose under nutrition in children.
4. Kangaroo Mother Care.
5. Inhalational devices used in management of Asthma.

III. Short answers on:

(5 x 2 = 10)

1. Vitamin 'A' Prophylaxis.
2. Causes of preventable mental retardation.
3. Peripheral smear in iron deficiency Anemia.
4. Differences between cyanotic spell and breath holding spell.
5. Four common causes of persistent Diarrhea.

[LJ 557]

AUGUST 2016

Sub. Code : 4087

**THIRD YEAR M.B.B.S. DEGREE EXAMINATION
PART II
PAPER VII – PAEDIATRICS INCLUDING NEONATOLOGY**

Q.P. Code: 524087

Time: Three hours

Maximum : 40 Marks

Answer All Questions

I. Elaborate on:

(1 x 10 = 10)

1. Discuss in detail about childhood acute lymphoblastic leukemia – FAB classification, clinical features, management and prognosis.

II. Write notes on:

(5 x 4 = 20)

1. Congenital diaphragmatic hernia.
2. Hydrocephalus.
3. Hypothermia in newborn.
4. Prevention of childhood obesity.
5. Complications of acute glomerulonephritis in children.

III. Short answers on:

(5 x 2 = 10)

1. Management of snake bite.
2. Hepatitis A vaccine.
3. Principles of phototherapy.
4. Common causes of childhood hypertension.
5. Innocent systolic murmurs.
