

POST GRADUATE EXAMINATION, JUNE - 2021

**MD PEDIATRICS
(PAPER ONE)**

BASIC SCIENCES AS APPLIED TO PEDIATRICS

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss pulmonary mechanics, work of breathing and their implications with mechanical ventilation. **(10+5+5= 20)**
- Q. 2.** Draw appropriate line diagram to depict development of ventricular septum. Write in brief hemodynamic, clinical features and management of ventricular septal defects. **(5+5+5+5= 20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Define hypernatremia, its causes and management
 - b. Compare in a tabular form current covid-19 vaccines available in country
 - c. Clinical features and management of acetaminophen poisoning
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. Vit -D metabolism
 - b. Graphical presentation of somatic, brain, genital and lymphoid growth
 - c. Genetic counseling in a case of trisomy 21
 - d. Biomedical waste management
 - e. Treatment of multi drug resistance enteric fever

X

POST GRADUATE EXAMINATION, JUNE - 2021

**MD PEDIATRICS
(PAPER TWO)**

NEONATOLOGY AND COMMUNITY PEDIATRICS

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Define Birth Asphyxia. What are its clinical manifestations? How will you manage a newborn with HIE? (20)
- Q. 2.** Monitoring of Foetal wellbeing from 1st to 3rd trimester. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- Bronchopulmonary dysplasia (BPD)
 - Intraventricular haemorrhage in a newborn
 - Enumerate various Government of India initiatives for Adolescence Health. Write briefly about various aspect of RMNCH+A
- Q. 4. Write short notes on:** (5 x 6 = 30)
- IMNCI
 - Child abuse
 - Delayed cord clamping at birth
 - Role of MRI in Birth HIE
 - Role of Amplitude – integrated EEG (aEEG) in NICU

X

POST GRADUATE EXAMINATION, JUNE - 2021

**MD PEDIATRICS
(PAPER THREE)**

GENERAL PEDIATRICS, SYSTEMIC PEDIATRICS AND PEDIATRIC EMERGENCIES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss about Tuberculous Meningitis in children including its pathogenesis, clinical manifestations, diagnosis, management and complications. **(20)**

Q. 2. Discuss various aspect of Rheumatic Fever including its etiopathogenesis, clinical manifestations and diagnostic criteria. How will you manage a 9 year old girl with Rheumatic fever with Congestive heart failure? Also discuss prophylaxis in Rheumatic fever. **(20)**

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

- a. Guillian Barre syndrome
- b. Acute Lymphocytic Leukaemia
- c. Organophosphorus poisoning

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

- a. Wilson disease
- b. Relevance of eye examination in diagnosing various diseases
- c. Macrocephaly
- d. Rett syndrome
- e. Anorexia Nervosa

X

POST GRADUATE EXAMINATION, JUNE - 2021**MD PEDIATRICS
(PAPER FOUR)****RECENT ADVANCES IN PEDIATRICS****[Time allotted: Three hours]****[Max Marks: 100]**

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** How will you diagnose and monitor a case of asthma? Outline management of chronic asthma. (10+10= 20)
- Q. 2.** Differences between Myopathy and neuropathy. Discuss, etiopathogenesis, inheritance, clinical features, diagnosis and management of Duchenne Muscular dystrophy (DMD). What are the recent advances in managing DMD? (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. PPHN
 - b. New Paradigm of T- B. diagnosis and treatment in children
 - c. Pediatric inflammatory multisystem syndrome temporarily associated with Covid-19 (PIMS - TS)
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. O2 delivery devices
 - b. Monoclonal antibodies in clinical management
 - c. Acute primary peritonitis
 - d. Infantile tremor syndrome
 - e. Describe salient features of pediatric advanced life support (PALS) update – 2020.