

**Madhya Pradesh Medical Science University, Jabalpur**  
**Post Graduate Degree Examination (Medical Faculty) July-2020**

**Paper Code-20AM0112100491**

**Subject- Paediatrics**

**Paper-I**

**Time : 3 Hours**

**Maximum Marks : 100**

**Instructions:**

- 1) Draw diagrams wherever necessary.
- 2) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued
- 3) Do not write anything on the blank portion of the question paper such type of act will be considered as an attempt to resort to unfair means.

**1. Long Answer Question (Any Two)**

**2 X 20 = 40**

- a. Discuss in brief the management of Hemolytic Uremic Syndrome.
- b. Discuss in detail in the management Septic Shock.
- c. Management of a case of Diabetic Ketoacidosis.

**2. Write in Brief (Any Six)**

**6X 10 = 60**

- a. Bronchiolitis Obliterans.
- b. Adverse events following immunization (AEFI).
- c. Diagnosis of congenital Hypothyroidism
- d. Management of a Cyanotic Spell.
- e. Motor Cortex
- f. VUR and Renal Scarring
- g. SIDS
- h. Pharmacotherapy of Autism Spectrum Disorder.



**Madhya Pradesh Medical Science University, Jabalpur**  
**Post Graduate Diploma Examination (Medical Faculty) July-2020**

**Paper Code-20AM0212100491**

**Subject- DCH**

**Paper-I**

**Time : 3 Hours**

**Maximum Marks : 100**

**Instructions:**

- 1) Draw diagrams wherever necessary.
- 2) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued
- 3) Do not write anything on the blank portion of the question paper-such type of act will be considered as an attempt to resort to unfair means.

**1. Long Answer Question (Any Two)**

**2 X 20 = 40**

- a. Define persistent diarrhoea and its management.
- b. Discuss metabolism and mechanism of action of Vitamin D. Write down clinical and radiological features of Rickets.
- c. Discuss cardinal determinants of undernutrition. Describe age wise approach of sensory stimulation and play therapy in a SAM child between 6 months to 59 months.

**2. Write in Brief (Any Six)**

**6X 10 = 60**

- a. Investigation workup for short stature
- b. Factors affecting development
- c. Autism spectrum disorder
- d. Responsive feeding
- e. Causes and treatment of hypernatremia
- f. Counseling and communication in IYCF
- g. Package of intervention for healthy adolescents
- h. Steroid resistant nephrotic syndrome

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**Madhya Pradesh Medical Science University, Jabalpur**  
**Post Graduate Degree Examination (Medical Faculty) July-2020**

**Paper Code-20AM0112100492**

**Subject- Paediatrics**

**Paper-II**

**Time : 3 Hours**

**Maximum Marks : 100**

**Instructions:**

- 1) Draw diagrams wherever necessary.
- 2) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued
- 3) Do not write anything on the blank portion of the question paper-such type of act will be considered as an attempt to resort to unfair means.

**1. Long Answer Question (Any Two)**

**2 X 20 = 40**

- a. Discuss the etiopathogenesis of persistent pulmonary hypertension in a newborn. Discuss the diagnosis of management of a neonate with PPHN.
- b. Discuss etiology, pathophysiology, clinical features and management of neonatal hypoglycemia
- c. How will manage a case of a newborn of a COVID-19 positive mother. How will you counsel the parents regarding feeding, immunization and home-care.

**2. Write in Brief (Any Six)**

**6X 10 = 60**

- a. Probiotics in neonates
- b. Bone age assessment and ossification centre of lower limbs
- c. Prenatal diagnosis and fetal therapy
- d. Tachyarrhythmias
- e. Surfactant therapy
- f. Flow diagram of recent neonatal resuscitation algorithm
- g. Congenital hypothyroidism
- h. Wilms' Tumor

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**Madhya Pradesh Medical Science University, Jabalpur**  
**Post Graduate Diploma Examination (Medical Faculty) July-2020**

**Paper Code-20AM0212100492**

**Subject- Pediatrics (DCH)**

**Paper-II**

**Time : 3 Hours**

**Maximum Marks : 100**

**Instructions:**

- 1) Draw diagrams wherever necessary.
- 2) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued
- 3) Do not write anything on the blank portion of the question paper-such type of act will be considered as an attempt to resort to unfair means.

**1. Long Answer Question (Any Two)**

**2 X 20 = 40**

- a. Discuss pathophysiology of hepatic failure and its management
- b. How will you manage a case of SARI. What are the basic requirements for setting up of a COVID hospital.
- c. How will you manage case of scorpion bite.

**2. Write in Brief (Any Six)**

**6X 10 = 60**

- a. Complications of exchange transfusion
- b. Hemorrhagic disease of newborn
- c. Biophysical profile scoring
- d. ERB'S palsy
- e. GERD
- f. Tuberous Sclerosis
- g. Asymmetric Moro's Reflex
- h. Surfactant Therapy

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**Madhya Pradesh Medical Science University, Jabalpur**  
**Post Graduate Degree Examination (Medical Faculty) July-2020**

**Paper Code-20AM0112100493**

**Subject- Paediatrics**

**Paper-III**

**Time : 3 Hours**

**Maximum Marks : 100**

**Instructions:**

- 1) Draw diagrams wherever necessary.
- 2) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued
- 3) Do not write anything on the blank portion of the question paper -such type of act will be considered as an attempt to resort to unfair means.

**1. Long Answer Question (Any Two)**

**2 X 20 = 40**

- a. Discuss pathophysiology, classification and management of CNS tuberculosis.
- b. Discuss etiology, differential diagnosis and management of Short stature.
- c. Discuss clinical manifestation and management of Acute Rheumatic Fever.

**2. Write in Brief (Any Six)**

**6X 10 = 60**

- a. Metered dose inhaler
- b. Mothers Absolute Affection (MAA)
- c. Diabetes Insipidus
- d. Down's Syndrome
- e. Cobalamin Deficiency
- f. Juvenile Delinquency
- g. Ventricular Septal Defects
- h. Management of Snake Bite

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**Madhya Pradesh Medical Science University, Jabalpur**  
**Post Graduate Diploma Examination (Medical Faculty) July-2020**

**Paper Code-20AM0212100493**

**Subject-Paediatrics (DCH)**

**Paper-III**

**Time : 3 Hours**

**Maximum Marks : 100**

**Instructions:**

- 1) Draw diagrams wherever necessary.
- 2) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued
- 3) Do not write anything on the blank portion of the question paper-such type of act will be considered as an attempt to resort to unfair means.

**1. Long Answer Question (Any Two)**

**2 X 20 = 40**

- a. Discuss management of a three year old female weighing 6.4 kg and Mid Upper Arm circumference (MUAC) 10.4 cms.
- b. Discuss causes and management of Congestive Heart Failure
- c. Discuss classification and management of pediatric epilepsy.

**2. Write in Brief (Any Six)**

**6X 10 = 60**

- a. nCOVID-19
- b. Diagnostic algorithm of pediatric tuberculosis
- c. Beta Thalassemia
- d. Scrub Typhus
- e. Management of diabetic Ketoacidosis
- f. Habit disorders
- g. Febrile convulsions
- h. Kawasaki disease manifestation

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**Madhya Pradesh Medical Science University, Jabalpur**  
**Post Graduate Degree Examination (Medical Faculty) July-2020**

Paper Code-20AM0112100494

Subject- Paediatrics

Paper- IV

Time : 3 Hours

Maximum Marks : 100

**Instructions:**

- 1) Draw diagrams wherever necessary.
- 2) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued
- 3) Do not write anything on the blank portion of the question paper-such type of act will be considered as an attempt to resort to unfair means.

**1. Long Answer Question (Any Two)**

**2 X 20 = 40**

- a. Recent development in diagnosis and management of Duchene muscular dystrophy.
- b. Current Pediatric care guidelines for COVID-19 infection for newborn and child.
- c. Revised 2019 RNTCP IAP guidelines for treatment of tuberculosis in children. Highlight the recent changes from the previous guideline.

**2. Write in Brief (Any Six)**

**6X 10 = 60**

- a. Hand foot and mouth disease (HFMD).
- b. Skin Prick test for allergy testing.
- c. Delayed puberty in girls
- d. Renal Angina Index (RAI) for risk assessment of Acute Kidney Injury in Intensive Care Unit.
- e. Ready to use therapeutic food (RUTF) for management of SAM children.
- f. M-NICU (Mother neonatal intensive care unit)
- g. INCLIN diagnostic tool for Autism spectrum disorder.
- h. SAANS program

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