

**QP Code:**

**Reg.No.:**.....

**MD Degree Examinations in Paediatrics**

**(Model Question Paper)**

**Paper I – Basic Science as Applied to Paediatrics**

**Time: 3 hrs**

**Max marks:100**

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

**Essays:**

**(20)**

1. Ten year old orphan boy brought with sudden onset of right knee swelling and pain following a trivial fall. History not available. On examination vitals stable, right knee swollen, afebrile. Investigations showed normal blood counts and normal peripheral smear. Prothrombin time 14sec. Control 13sec. APTT 70 sec. Control 40sec. Factor VIII estimation was normal. Discuss the clinical possibilities. Utilize the laboratory investigations to arrive at diagnosis.

**Short essays:**

**(8x10=80)**

2. Growth charts
3. Genomic imprinting
4. Evoked potentials
5. Hypo calcemia
6. Nerve conduction studies
7. Low osmolar ORS
8. Anion gap
9. Cold chain

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**Paper II – Neonatology and Community Paediatrics**

**Time: 3 hrs**

**Max marks:100**

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

**Essays:**

**(20)**

1. An out break of Hepatitis A reported from remote area under your primary health centre. What are your responsibilities. Describe the measures to investigate and control the outbreak

**Short essays:**

**(8x10=80)**

2. How will you evaluate persistent hypoglycemia in a newborn
3. Developmental dysplasia of hip
4. Oto acoustic emission (OAE)
5. Mal rotation of GUT
6. Neonatal screening programs
7. PPTCT ( Prevention of parent to child transmission)
8. Millennium development goals
9. ECMO (Extra corporeal membrane oxygenation)

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**Paper III – General Paediatrics**

**Time: 3 hrs**

**Max marks:100**

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

**Essays:**

**(20)**

1. A newborn baby was diagnosed to have Down syndrome in your hospital. Father 26 year old Mother 22 year old primi. They are from a tribal community and did not get proper antenatal care. How will you evaluate the baby and proceed in the most ideal manner.

**Short essays:**

**(8x10=80)**

2. Infant and young child nutrition (IYCF)
3. AVNRT (AV nodal re entrant tachycardia)
4. Epilepsy syndromes
5. Therapeutic uses of IV gamma globulin
6. Child abuse
7. Adolescent menstrual problems
8. Torsion testes
9. How will you manage scabies

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**Paper IV – Recent Advances in Paediatrics**

**Time: 3 hrs**

**Max marks:100**

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

**Essays:**

**(20)**

1. Recent concepts in the management of birth asphyxia.

**Short essays:**

**(8x10=80)**

2. Stem cell transplantation.
3. Macrophage activation syndrome
4. Management of cystic fibrosis
5. Growth hormone replacement
6. Management of idiopathic thrombocytopenic purpura
7. Tumor lysis syndrome
8. Vesico ureteric reflux
9. Laboratory diagnosis of dengue

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