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## MANIPAL UNIVERSITY

### MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2008

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRICS, GROWTH AND DEVELOPMENT

Tuesday, April 01, 2008

Time: 3 Hrs.

Max. Marks: 100

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✍ **Answer all the questions.**

✍ **Write answers that are brief, clear, relevant and legible. Illustrate wherever appropriate.**

1. Write briefly on the cognitive and language development in the first ten years of life. Add a note on its implications.

(30 Marks)

2. Write short notes on:

2A. Monoclonal antibodies in paediatric therapy.

2B. Polymerase chain reaction.

2C. Instrument specification and techniques adopted in growth assessment.

2D. SARS

2E. Secular trend.

2F. Examination of Face – A clue to paediatric diagnosis.

2G. Newer antimalarials.

(10 × 7 = 70 Marks)

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## MANIPAL UNIVERSITY

### MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2008

SUBJECT: PAPER II: NEONATOLOGY, SOCIAL AND PREVENTIVE PAEDIATRICS, NUTRITION

Wednesday, April 02, 2008

Time: 3 Hrs.

Max. Marks: 100

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*✍* **Answer all the questions.**

*✍* **Write answers that are brief, clear, relevant and legible. Illustrate wherever appropriate.**

1. Discuss the etiology, epidemiology, clinical features, management of childhood obesity.

(40 Marks)

2. Write short notes on:

2A. High risk infants

2B. Child labour

2C. Phrenic nerve paralysis

2D. Effects of asphyxia

2E. Anticipatory guidance

2F. Bulimia

(10 × 6 = 60 Marks)

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## MANIPAL UNIVERSITY

### MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2008

#### SUBJECT: PAPER III: IMMUNOLOGY, IMMUNE RELATED DISEASES, INFECTIOUS DISEASES, HAEMATOLOGY AND ONCOLOGY

Thursday, April 03, 2008

Time: 3 Hrs.

Max. Marks: 100

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✍ **Answer all the questions**

✍ **Write answers that are brief, clear, relevant and legible. Illustrate wherever appropriate.**

1. When will you suspect immune-deficiency in a child? Describe the initial screening tests you would undertake. Write a note on neutropenia.

(30 Marks)

2. **Write short notes on:**

- 2A. Pain management in a terminally ill child.
- 2B. Familial erythrophagocytic lymphohistiocytosis.
- 2C. Hepatitis C.
- 2D. Guidelines for using HAART.
- 2E. Laboratory evaluation of a child with bleeding.
- 2F. Dengue Haemorrhagic fever management.
- 2G. Atopy.

(10 × 7 = 70 Marks)

Reg. No.

# MANIPAL UNIVERSITY

## MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2008

SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING PAEDIATRIC SURGERY

Friday, April 04, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ Answer all the questions

✍ Write answers that are brief, clear, relevant and legible. Illustrate wherever appropriate.

1. Discuss the approach to diagnosis and management of chronic diarrhoea.

(40 Marks)

2. Write short notes on:

2A. Antiretroviral drugs

2B. Constituents of vaccine

2C. Infantile cortical hyperostosis

2D. Tracheo oesophageal fistula

2E. Pulmonary Function testing

2F. Infantile Spasms

(10 × 6 = 60 Marks)



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## MANIPAL UNIVERSITY

### MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2008

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRICS, GROWTH AND DEVELOPMENT

Monday, October 06, 2008

Time: 3 Hrs.

Max. Marks: 100

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✍ **Answer all the questions.**

✍ **Write answers that are brief, clear, relevant and legible. Illustrate wherever appropriate.**

1. What are the principles governing development? Briefly explain the various methods used in developmental assessment in paediatric age group.

(30 Marks)

2. Write short notes on:

2A. Lab diagnosis of HIV infection in paediatric practice.

2B. Eye in systemic disorders of childhood.

2C. Polysaccharide vaccines.

2D. Health supervision of children with Down's syndrome.

2E. Initial steps in stabilization of a 2 year old child brought in a gasping state.

2F. NSAIDs (Non Steroidal Anti Inflammatory Drugs).

2G. Long term complications of bone marrow transplant.

(10 × 7 = 70 Marks)

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# MANIPAL UNIVERSITY

## MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2008

SUBJECT: PAPER II: NEONATOLOGY, SOCIAL AND PREVENTIVE PAEDIATRICS, NUTRITION

Tuesday, October 07, 2008

Time: 3 Hrs.

Max. Marks: 100

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✍ **Answer all the questions.**

✍ **Write answers that are brief, clear, relevant and legible. Illustrate wherever appropriate.**

1. What are the major causes of perinatal mortality in your area? Outline briefly the steps you would like to adopt to reduce it.

(30 Marks)

2. Write short notes on:

2A. Non immune hydrops fetalis

2B. Maternal medication during lactation.

2C. Acute flaccid Paralysis Surveillance

2D. Child labour.

2E. Evaluation of fetal well being.

2F. Dyslexia

2G. National Malaria Control Programme.

(10 × 7 = 70 Marks)



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## MANIPAL UNIVERSITY

### MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2008

#### SUBJECT: PAPER III: IMMUNOLOGY, IMMUNE RELATED DISEASES, INFECTIOUS DISEASES, HAEMATOLOGY AND ONCOLOGY

Thursday, October 09, 2008

Time: 3 Hrs.

Max. Marks: 100

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✍ **Answer all the questions**

✍ **Write answers that are brief, clear, relevant and legible. Illustrate wherever appropriate.**

1. Discuss causes of purpura in children. How will you manage a child with idiopathic thrombocytopenic purpura.

(30 Marks)

**2. Write short notes on**

2A. Prognostic factors in acute lymphoblastic leukaemia

2B. Erythema nodosum

2C. Management of childhood rheumatoid arthritis

2D. Retinoblastoma

2E. Iron overload

2F. Toxic shock syndrome

2G. Immunisation in a child who is HIV positive

(10 × 7 = 70 Marks)

**MANIPAL UNIVERSITY****MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2008****SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING PAEDIATRIC SURGERY**

Friday, October 10, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer all the questions**

✍ **Write answers that are brief, clear, relevant and legible. Illustrate wherever appropriate.**

1. A 2 year old girl is brought to you with mental retardation. What symptomatology and clinical signs would prompt you to work her up for a possible underlying aetiology. Briefly outline the management of a child with a suspected urea cycle disorder.

(30 Marks)

2. Write short note on:

2A. Gene therapy.

2B. Steps to be taken to prevent accidents at the community and individual level.

2C. Approach to the problem of vaginal discharge in a 12 year old.

2D. Vesicoureteral reflux.

2E. Recurrent abdominal pain.

2F. Cyanotic spells.

2G. Drugs in renal failure.

(10 × 7 = 70 Marks)

