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MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2010

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

Monday, October 04, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Discuss the factors involved in the growth process from the stage of zygote to adolescent stage.

(30 marks)

2. Write short notes on:

2A. Bioavailability of drugs

2B. Bone marrow

2C. Thyroid function tests

2D. Normal CSF circulation and its imbalance

2E. Nephrogenesis

2F. Clinical importance of ossification centers

2G. BMI (Body Mass Index)

(10×7 = 70 marks)

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MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2010

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

Tuesday, October 05, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Classify malnutrition. Define trace elements and discuss the role of trace elements in the health of a child.

(30 marks)

2. **Write short notes on:**

- 2A. SGA baby
- 2B. Hemorrhagic disease of the newborn
- 2C. Urbanization and child health
- 2D. U5 mortality (under five mortality)
- 2E. Weaning techniques
- 2F. Junk foods and child health
- 2G. Child abuse

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(10×7 = 70 marks)



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MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2010

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

Wednesday, October 06, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. When will you suspect immunodeficiency in a child? Describe the initial screening tests you would undertake in such a situation. Write a note on neutropenia.

(30 marks)

2. Write short notes on:

- 2A. Pain management in a terminally ill child
- 2B. Antiretroviral drugs
- 2C. Familial erythrophagocytic lymphohistiocytosis
- 2D. Hepatitis C
- 2E. Myelodysplastic syndromes
- 2F. Giardiasis – clinical features, diagnosis, management
- 2G. Diphtheria

(10×7 = 70 marks)



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MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2010

SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING PAEDIATRIC SURGERY

Thursday, October 07, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Discuss the clinical manifestation and management of diabetic ketoacidosis in children.
Outline long term management of diabetes mellitus.

(30 marks)

2. Write short notes on:

- 2A. Differential diagnosis of mass per abdomen in a 2 year old child
2B. Infantile myoclonic seizures
2C. Progressive Primary Complex
2D. Children at risk for hearing impairment
2E. Developmental dysplasia hip
2F. Organophosphorus poisoning
2G. Supraventricular tachycardia

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(10×7 = 70 marks)

