

[LB 135]

OCTOBER 2012

Sub. Code: 2030

**M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS
ALLIED BASIC SCIENCES IN PAEDIATRICS
Q.P. Code: 202030**

Time: 3 hours(180 Min)

Maximum: 100 marks

Answer ALL questions in the same order.

Write notes on

**Pages Time Marks
(Max.) (Max.) (Max.)**

I. ANATOMY

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|--|---|---|---|
| 1. Development of interatrial septum and its defect. | 3 | 9 | 5 |
| 2. Porto systemic anastamoses and its application | 3 | 9 | 5 |
| 3. Nerve supply of urinary bladder and applied anatomy | 3 | 9 | 5 |
| 4. Course and applied anatomy of abducent nerve | 3 | 9 | 5 |

II. PHYSIOLOGY

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|--|---|---|---|
| 1. Intracranial Pressure monitoring | 3 | 9 | 5 |
| 2. Physiology of Fetal circulation | 3 | 9 | 5 |
| 3. Functions of Pancreatic enzymes | 3 | 9 | 5 |
| 4. Coagulation pathway and its relevance | 3 | 9 | 5 |

III. BIOCHEMISTRY

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|--|---|---|---|
| 1. Hemoglobin A,C and its importance | 3 | 9 | 5 |
| 2. Thyroid function tests and its interpretation | 3 | 9 | 5 |
| 3. Etiological diagnosis of Hyper kalemia | 3 | 9 | 5 |

IV. PHARMACOLOGY

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|---|---|---|---|
| 1. Low molecular Heparin and its uses | 3 | 9 | 5 |
| 2. 3 rd generation cephalosporins and its uses | 3 | 9 | 5 |
| 3. Insulin analogs and its advantages | 3 | 9 | 5 |

V. MICROBIOLOGY

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|---|---|---|---|
| 1. Helicobacter pylori infection and its clinical presentation. | 3 | 9 | 5 |
| 2. Cryptoccal Meningitis in HIV infected children | 3 | 9 | 5 |
| 3. Diagnosis of Dengue infection | 3 | 9 | 5 |

VI. PATHOLOGY

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|--|---|---|---|
| 1. Extra intestinal manifestations of Amoebiasis | 3 | 9 | 5 |
| 2. Pathology of Tuberculosis lymphadenitis | 3 | 9 | 5 |
| 3. CSF findings in Pyogenic meningitis | 3 | 9 | 5 |
