

[LB 6253]

AUGUST 2012

Sub. Code: 6253

FIRST YEAR BPT EXAM**Paper III – PHYSIOLOGY AND APPLIED PHYSIOLOGY****Q.P. Code: 746253****Time: Three hours****Maximum : 100 marks****(180 Min) Answer ALL questions in the same order.****I. Elaborate on:****Pages Time Marks
(Max.)(Max.)(Max.)**

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|--|----|----|----|
| 1. Define Neuro- Muscular Junction.
Describe the transmission of impulses across Neuro-
Muscular Junction. | 19 | 33 | 20 |
| 2. Discuss the mechanism of Blood Clotting. | 19 | 33 | 20 |

II. Write notes on:

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|-------------------------------|---|---|---|
| 1. Electrocardiogram. | 3 | 8 | 5 |
| 2. Muscle Spindle. | 3 | 8 | 5 |
| 3. Bile. | 3 | 8 | 5 |
| 4. Oxygen Dissociation Curve. | 3 | 8 | 5 |
| 5. Functions of Thyroxine. | 3 | 8 | 5 |
| 6. Micturition. | 3 | 8 | 5 |
| 7. Motor Unit. | 3 | 8 | 5 |
| 8. Menstrual Cycle. | 3 | 8 | 5 |

III. Short Answers:

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|---------------------------------------|---|---|---|
| 1. Functions of Cerebro Spinal fluid. | 1 | 5 | 2 |
| 2. Tetanus and Clonus. | 1 | 5 | 2 |
| 3. Erythroblastosis Foetalis. | 1 | 5 | 2 |
| 4. List the functions of Kidney. | 1 | 5 | 2 |
| 5. Hypoxia. | 1 | 5 | 2 |
| 6. Functions of Placenta. | 1 | 5 | 2 |
| 7. Saltatory Conduction. | 1 | 5 | 2 |
| 8. Heart Sounds. | 1 | 5 | 2 |
| 9. List Four functions of Cortisol. | 1 | 5 | 2 |
| 10. All or none Law. | 1 | 5 | 2 |
