

[LB 0212]

AUGUST 2012

Sub. Code: 1101

**B.Sc. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY  
AND B.Sc CRITICAL CARE TECHNOLOGY**

**FIRST YEAR**

**PAPER I - ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY**

*Q.P. Code : 801101*

**Time : Three hours**

**Maximum : 100 marks**

**(180 Mins) Answer ALL questions in the same order.**

**I. Elaborate on:**

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

- |   |   |    |    |
|---|---|----|----|
| 1. Classify the Muscles and give a detailed account on Deltoid muscle.                                  | 7 | 20 | 10 |
| 2. Define Blood pressure. Mention its normal value and add a note on factors regulating blood pressure. | 7 | 20 | 10 |
| 3. Classify lipids with suitable examples. Add a note on physiological importance of lipids.            | 7 | 20 | 10 |

**II. Write notes on:**

- |  |   |    |   |
|--|---|----|---|
| 1. Blood supply of heart.                | 4 | 10 | 5 |
| 2. Lungs.                                | 4 | 10 | 5 |
| 3. Humerus.                              | 4 | 10 | 5 |
| 4. Stomach.                              | 4 | 10 | 5 |
| 5. Taste pathway.                        | 4 | 10 | 5 |
| 6. Hazards of blood transfusion.         | 4 | 10 | 5 |
| 7. Micturation reflex.                   | 4 | 10 | 5 |
| 8. Reducing property of monosaccharides. | 4 | 10 | 5 |

**III. Short Answers on:**

- |   |   |   |   |
|---|---|---|---|
| 1. Name the structures forming Waldeyer's ring.                           | 2 | 4 | 3 |
| 2. Mention the arteries taking part in the formation of circle of Willis. | 2 | 4 | 3 |
| 3. Superior vena cava.  | 2 | 4 | 3 |
| 4. Cushing Syndrome.  | 2 | 4 | 3 |
| 5. Plasma protein.  | 2 | 4 | 3 |
| 6. Spermatogenesis.   | 2 | 4 | 3 |
| 7. Iron deficiency anemia.  | 2 | 4 | 3 |
| 8. Metabolic acidosis.  | 2 | 4 | 3 |
| 9. Enumerate thyroid function tests.                                      | 2 | 4 | 3 |
| 10. Effect of PH on rate of enzyme activity.                              | 2 | 4 | 3 |

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