Reg. No. \_\_\_\_\_\_\_\_\_\_\_\_

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**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **15BT2001** | **Duration :** | **3hrs** |
| **Sub. Name :** | **MEDICAL BIOCHEMISTRY** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| Q. No. | Sub Div. | Questions | Course  Outcome | Marks |
| 1. |  | Write down the classification of carbohydrates with examples. | CO1 | 20 |
| **(OR)** | | | | |
| 2. |  | Explain the chemical properties of monosaccharide. | CO1 | 20 |
| 3 |  | Classify lipids and fatty acids in detail with examples. | CO1 | 20 |
| **(OR)** | | | | |
| 4. |  | Comment on the structure and properties of phospholipids. | CO2 | 20 |
| 5. |  | How amino acids are classified and add a note on its structure. | CO2 | 20 |
| **(OR)** | | | | |
| 6. |  | How proteins are classified? Give an account on it. | CO1 | 20 |
| 7. |  | Explain the structure of nucleosides in detail. | CO1 | 20 |
| **(OR)** | | | | |
| 8. |  | Describe the double helical structure of Deoxyribo nucleic acid with a suitable diagram. | CO2 | 20 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Discuss the structure and functions of vitamin A in detail. | CO2 | 10 |
| b. | Write the biological importance of calcium. | CO1 | 10 |