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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – Nov/Dec – 2016**

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|  |  | **Semester :** | **2016-17 ODD** |
| **Code :** | **15BT2003** | **Duration :** | **3hrs** |
| **Sub. Name :** | **Human Physiology and Anatomy** | **Max. marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Draw the structure of human cell and explain the function of each components elaborately. | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Explain the various components of blood and its functions. | CO1 | 15 |
| b. | Narrate the factors which affects the flow of blood. | CO3 | 5 |
| 3. | a. | How Urine is formed? Explain the concept with relevant sketches. | CO3 | 20 |
| (OR) | | | | |
| 4. | a. | Draw the structure of human Kidney and explain its functions with drawings. | CO2 | 20 |
| 5. | a. | Elaborate on the structure of heart with relevant diagrams. | CO2 | 20 |
| (OR) | | | | |
| 6. | a. | What are the types of heart counds? | CO3 | 10 |
|  | b. | How the heart sounds are generated? | CO1 | 10 |
| 7. | a. | What is meant by action potential? | CO1 | 10 |
|  | b. | How it is measured? | CO3 | 10 |
| (OR) | | | | |
| 8. | a. | Explain the physiology of sight. | CO1 | 10 |
|  | b. | Compare the features of rods and cones. | CO1 | 5 |
|  | c. | Write short notes on Electroencepalogram. | CO3 | 5 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Draw the structure of the human brain and explain the functions of each part. | CO2 | 20 |

ALL THE BEST