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 :** | **14BT2043** | **Duration :** | **3hrs** |
| **Sub. Name :** | **HUMAN PHYSIOLOGY** | **Max. marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Describe Homeostasis and discuss the mechanisms involved. | CO1 | 20 |
| (OR) | | | | |
| 2. |  | Discuss the functional areas of Brain. Write a detailed note on Peripheral nervous system. | CO2 | 20 |
| 3. | a. | Discuss in detail about the hormones secreted by the pituitary gland and its functions. | CO2 | 10 |
|  | b. | Write about Thyroid hormones and its complications. | CO2 | 10 |
| (OR) | | | | |
| 4. | a. | Describe the structure and function of a Kidney with a neat diagram. | CO2 | 10 |
|  | b. | Explain in detail about Glomerular filteration process. | CO2 | 10 |
| 5. |  | Wite in detail about circulatory system diseases, Precautions and treatments. | CO3 | 20 |
| (OR) | | | | |
| 6. | a. | Define respiration. Witer in detail about exchange of gases. | CO3 | 10 |
|  | b. | Describe lung volume capacities and pressures which causes movement during respiration. | CO3 | 10 |
| 7. |  | Discuss Male reproductive system with necessary illustration. | CO1 | 20 |
| (OR) | | | | |
| 8. | a. | Discuss the process involved in Oogenesis. | CO3 | 10 |
|  | b. | Describe Ovarian cycle. | CO3 | 10 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Discuss about the flow of blood in the heart, cardiac cycle. | CO3 | 10 |
|  | b. | Write a note on electric impulses in Heart and Heart beat and sounds involved during circulation. | CO3 | 10 |

ALL THE BEST