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 - 2017**

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|  |  |  |  |
| **Code :** | **14NT2003** | **Marks :** | **100** |
| **Sub. Name :** | **APPLICATIONS OF NANOTECHNOLOGY** | **Duration :** | **3hrs** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Q. No. | Sub Div. | Questions | Course  Outcome | Marks |
| 1 |  | What are the advantages of using the nanotechnology products? | CO3 | 20 |
|  |  | (OR) |  |  |
| 2 |  | Discuss few applications in the field of biomedical. | CO2 | 20 |
|  |  |  |  |  |
| 3 | a. | List out the roles of biosensors in nanotechnology. | CO2 | 10 |
|  | b. | Name any two approaches in nanotechnology. | CO1 | 10 |
|  |  | (OR) |  |  |
| 4 | a | Explain the working principle of photocatalysis. | CO1 | 10 |
|  | b | List the few scientific breakthroughs. | CO2 | 10 |
|  |  |  |  |  |
| 5 |  | State the art of nanotechnology in field of medical applications. | CO2 | 20 |
|  |  | (OR) |  |  |
| 6 |  | Discuss few nanotechnology products used in everyday’s life. | CO1 | 20 |
|  |  |  |  |  |
| 7 |  | What is the role of optoelectronic in nanotechnology? | CO2 | 20 |
|  |  | (OR) |  |  |
| 8 | a. | Write a note on memristor’s. | CO3 | 10 |
|  | b. | Give the impact of nanotechnology on economy and future development. | CO1 | 10 |
|  |  |  |  |  |
|  |  | **Compulsory:** |  |  |
| 9. |  | How are drug implanted towards human body with advanced technology? | CO1 | 20 |

ALL THE BEST