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 :** | **14BT2022** | **Duration :** | **3hrs** |
| **Sub. Name :** | **UNIT OPERATIONS** | **Max. marks :** | **100** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Questions** | | **Course**  **Outcome** | Marks |
| 1. | Write in detail onsize reduction of solids. | | CO1 | 20 |
| (OR) | | | | |
| 2. | Discuss about mechanical conveying equipments. | | CO1 | 20 |
| 3. | Give a detailed account onAngle of repose & angle of internal friction. | | CO2 | 20 |
| (OR) | | | | |
| 4. | Explain gas cleaning methods Mixing equipments for liquids. | | CO1 | 20 |
| 5. | Discuss on power consumption in mixers. | | CO3 | 20 |
| (OR) | | | | |
| 6. | Explain scale up of agitator design. | | CO3 | 20 |
| 7. | Give a detailed account on Sedimentation. | | CO4 | 20 |
| (OR) | | | | |
| 8. | Discuss about Industrial filtration practice. | | CO4 | 20 |
|  | | **Compulsory:** |  |  |
| 9. | Explain the types of crushers size reduction operations. | | CO5 | 20 |

ALL THE BEST