

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



**Karunya 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**

**Code : 14BT202**  
**Sub. Name : UNIT OPERATIONS**

**Semester : 2016-17 ODD**  
**Duration : 3hrs**  
**Max. marks : 100**

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

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

ALL THE BEST