LOYOLA CO	OLLEGE (AUTO	DNOMOUS), CHEN	NAI – 600 034
CCC 200	M.Sc. DEGREE B	XAMINATION – ZOOLO	BY
<u> </u>	SECOND SEMESTER – APRIL 2019		
17/18PZO2MC01- MOLECULAR CELL BIOLOGY			
(COCEAT LUX VESTIVA)			
Date: 03-04-2019 Time: 01:00-04:00	Dept. No.		Max. : 100 Marks
	PART – A	(10x2= 20 Marks)	
Answer All questions			
1. What is isoelectric point?			
2. Define transduction.			
3. Comment on zonulaoccludens.			
4. Distinguish exosmosis from endosmosis.			
5. What is soluble and insoluble RNA?			
6. Define codon and anticodon.			
7. Comment on exotoxin and endotoxin.			
8. What is known as pyknosis?			
9 Explain X- linked inheritance with examples			
10 Define DNA finger printing			
10.Define Divis hinger printing.	DADT D	(4+10-40 Mort	70)
Answer any FOUR questions	IARI-D	(4x10- 40 Mar	25)
11. Give an account on autoradiography and its uses.			
12. What are lysosomes? Describe the structure and functions of lysosomes.			
13. Describe the protein translocation into ER lumen			
14. Enumerate DNA repair mechanism.			
15. Explain the role of G-Protein in signal transduction.			
16. What is pedigree? How will you construct pedigree chart for various inheritance.			
Р	ART –C (2x20= 40 Marks)	
Answer any TWO questions			
17. a) Describe the ultra structure of nucleus .			
b) Explain the functions of nuclear membrane and nuclear pore.			
 a) Define Wobble hypothesis. b) Write an assay on culturatic protain synthesis. 			
19 a) What is RNA splicing?			
b) Give a detailed account on the structure and functions of different types of RNA.			
20. a) Distinguish numerical aperture and resolving power.			
b) Classify microscopes and write a detailed account on TEM and SEM.			
