Re	eg. NoName	20U620
	B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH	2020
	SEMESTER -6: ZOOLOGY (CORE COURSE)	
	COURSE: 15U6CRZOO10: GENETICS AND BIOTECHNOLOG	:v
	(Common for Regular 2017 Admission & Supplementary 2016 /2015 Admission & Supplementa	•
Tim	ne: Three Hours	Max. Marks: 60
	PART A	
	Define all the following	
	Epistasis Para la altra	
	Barr bodies	
	Stem cells Kerneture	
	Karyotype Bioremediation	
	Plasmids	
	IPR	
	Transgenesis	$(1 \times 8 = 8)$
Ο.	PART B	(1 × 0 = 0)
	Answer any Six of the following	
9.	Distinguish between gene mutation and chromosomal mutation	
	What are modifying genes?	
11.	Comment on sex influenced traits	
12.	What is called electroporation?	
13.	What is polygenic inheritance?	
14.	Comment on Amniocentesis	
15.	Write a note on cDNA library	
16.	What is called gene therapy?	$(2 \times 6 = 12)$
	PART C	
	Answer any Four of the following	
17.	Explain X- linked inheritance with a suitable example	
	Explain autosomal anomalies in man	
	Write a note on transposable elements in bacteria	
	Write a note on animal cell culture	
	Give an account on Southern blotting	
22.	Explain complementary gene interaction citing an example	(5 x 4 = 20)
	PART D	
	Answer any Two of the following	
23.	Write an essay on extra nuclear inheritance	
24.	Explain the technique and applications of PCR	
25.	Describe the applications of biotechnology in medicine	
26.	Explain the process of bacterial transformation and conjugation	$(10 \times 2 = 20)$

Sacred Heart College (Autonomous) Thevara Page 1 of 1