Reg. No	Name	14U128
B.Sc. DEGREE END SEMESTE	R EXAMINATION - OCTOBER/NOVE	MBER 2018
SEMESTER	R –1: ZOOLOGY (CORE COURSE)	
COURSE: U1CRZOO1: GENER	AL METHODOLOGY AND PERSPECTIVES	S IN SCIENCE
(For sup	oplementary - 2014 admission)	
Time: Three Hours	,	Max. Marks: 60
	PART A	
Answer a	II questions. Each carries 1 mark	
1. What are buffers?	•	
2. Define resolution of a microscope		
3. Name the two major methods in sci	ence for reasoning	
4. Define empiricism		
5. Define epistemology.		
6. What is taxidermy?		
7. Define Rf value		(4 0 0)
8. What is scientific temper?		$(1 \times 8 = 8)$
	PART B	
-	six questions. Each carries 2 marks	
9. What is camera Lucida?		
10. Comment on the application of colo	rimeter?	
11. What is a workshop?		
12. Comment on the different types of		
13. Distinguish between colloquium and		wialat fialal
microscope	n fluorescence microscope and ordinary b	orignt neid
15. Write five characteristics of living or	ganisms.	
16. Enumerate the applications of phas	_	$(2 \times 6 = 12)$
	PART C	
Answer anv i	four questions. Each carries 5 marks	
	the use of animals in scientific research?	
18. Describe the regulations of Biodiver		
19. Explain the different types of centri	•	
20. What are the common methods for	_	
21. Explain the principle and working of	[:] a pH meter.	
22. Write an account on research repor	t writing.	(5 x 4 = 20)
	PART D	
Answer anv t	wo questions. Each carries 10 marks	
Allower ally t	gacotions. Each carries ±0 marks	

- 23. Explain the revolutions in science and technology
- 24. Write an account on Electron Microscope and its applications.
- 25. Explain the major branches of biology.
- 26. Write an essay on chromatography and its applications

 $(10 \times 2 = 20)$