20U518S	(Pag	ges: 2)	Name:		
			Reg. No:		
FIFTH SEMES			ON, NOVEMBER 2022		
	,	CSS-UG)			
CC120 ZO2 B03 - G		ORMATICS	CIENCE, BIOSTATISTI		
		Core Course)			
(2015	to 2018 Admissions –	Supplementary	/Improvement)		
Time: Three Hours			Maximum: 80 M	1arks	
I. Answer <i>all</i> questions.	Each question carries	1 mark.			
1 is an	example of measure of	f dispersion.			
2is a n	nethod of analysis of v	variance.			
3. INSDOC is a de	3. INSDOC is a depository of research publication functioning under				
4. Experiment done	e in natural settings th	an in a laborator	y is known as		
5. Degree of freedo	om is				
a) (n/2)	b) n+1/2	c) n-1	d) 2n-1		
6. Knowledge can	be acquired only throu	igh experience is	s one of the cardinal points	of	
a) Empiricism	a) Empiricism		ific temper		
c) Scientific disc	c) Scientific discipline		ific evidence		
7. Free software fo	undation was founded	l by			
8 lures	internet users to revea	al sensitive infor	mation, leading to identity	theft	
9. Expand the term	- VIRUS				
10 is a c	computing standard for	or encoding, and	I handling of text of most	of	
the world's lang	uages				
			$(10 \times 1 = 10 \text{ M})$	arks)	
II. Short answer questio	ns. Answer any <i>ten</i> qu	estions. Each qu	uestion carries 2 marks.		
11. Comment on per	rcentage bar diagram.				
12. Comment on typ	be I and type II statisti	cal errors.			
13. Importance of vi	irtual testing.				
14. Comment on pie	e diagram.				
15. What is plagiaris	sm?				

- 16. Comment on primary sources of scientific information.
- 17. Explain variables in scientific experiments.
- 18. Define Biocomputing. What are its applications?
- 19. What is artificial intelligence? What are its uses?

- 20. Explain virtual reality.
- 21. Give an account on Wikipedia.
- 22. Explain advantages of Linux.

 $(10 \times 2 = 20 \text{ Marks})$

- III. Short essay questions. Answer any *five* questions. Each question carries 6 marks.
 - 23. Write a short essay on principles of experimental design.
 - 24. Explain chi-square test.
 - 25. Comment on kinds of experiments.
 - 26. Comment on diagrammatic presentation of data.
 - 27. Explain Standard error.
 - 28. Describe benefits of e-Governance.
 - 29. Write notes on various aspects of intellectual property right.
 - 30. Write notes on cyber laws and cyber ethics.

 $(5 \times 6 = 30 \text{ Marks})$

- IV. Essay questions. Answer any *two* questions.
 - 31. Briefly describe methods of sampling.
 - 32. Explain measures of central tendency.
 - 33. Write an essay on ethics in science.
 - 34. Write an essay on various academic services.

 $(2 \times 10 = 20 \text{ Marks})$
