Total Pages-2 RNLKWC(A)-/PHYSICS/SEC-1T/SEM-I/2023

2023

B.Sc. (Honours)

B.Sc. First Semester End Examination - 2023 PHYSICS

PAPER - SEC-1T

Full Marks: 20

Time: 1 hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Group - A

	Group - A						
An	swer	any five questions 5	×2=10				
1.	(a)	What is loading efffect?	2				
	(b)	How does phase difference between to wave me by CRO?	asured 2				
	(c)	What are the advantages of electronic Voltmeter	? 2				
	(d)	How does time base signal is generated by CRO	? 2				
	(e)	Write down any two specification of AC millivol	tmeter.				
			2				
		. (Ти	rn Over)				

	(f)	Draw block diagram of amplifier-rectifier type of AC millivoltmeter.				
	(g)	Write down difference between analog and digital voltmeter.				
	(h)	How can we measure voltage and current by digital multimeter?				
Group - B						
Ans	wer	any two questions: 2×5=10)			
2.	(a)	How does rms responding voltmeter works?				
	(b)	How does frequency measured by Lissa Jour figure in CRO? 3+2				
3.	Write down the working process of digital voltmeter with					
	bloo	ck diagram. 3+2	<u>.</u>			
4.	(a)	Draw block diagram of CRO.				
	(b)	How does electrostatic focusing of electron beam done in CRO? 2+3				
5. ,	What is magnetic deflection sensitivity?					
	Fine	d the expression of magnetic deflection in CRO. 1+4	}			

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