PAPER CODE : 3130

B.Sc SEM -1 (NEW COURSE)
JULY-SEP-2021
ES Phy-01 Instrumentation Measure and analysis

કુલ સમય :– ૩૦ મીનીટ કુલ પ્રશ્નો : ૩૫ વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૨૫

નોંધ : વિદ્યાર્થીએ માત્ર ૨૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૨૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

1		The L.C.M. of vernier calliperce is …….						
	A	0.1 cm	B	0.01 cm	C	0.01 m	D	None of these
2		The L.C.M. of micrometer screwgadge is …….						
	A	0.1 cm	B	0.01 cm	C	0.001 cm	D	None of these
3		The L.C.M. of spectrometer is …….						
	A	1 min	B	30 min	C	1 degree	D	60 degree
4		Gelnometer is useful to measurement of which quentity?						
	A	Electric current	B	Voltage	C	Pressure	D	Density
5		If cylinder of soft iron will have been putted on coil of gelvenometer, then which type of magnetic field there.						
	A	radially	B	circle	C	spherical	D	
6		The diflection of coil of Gelvenometer is proportional to …….						
	A	electric current	B	$(\text{electric(harge)})^2$	C	voltage	D	None of these
7		……. quantity find out with use of whistonbridge network						
	A	Resistance	B	ele-current	C	capacitance	D	electric charge
8		The unit of spring constant is…….						
	A	Joule/rad	B	rad/Joule	C	Joule	D	rad
9		How many resistance are used to whistonbridge network?						
	A	two	B	four	C	six	D	eight
10		The distance between two consequently turns of micrometer screw gadge is known as ……						
	A	Path distance	B	Stifen distance	C	a and b both	D	None of these
11		How many main part of varnier calliperce?						
	A	1	B	2	C	3	D	4
12		1 Angstrom = ……. micrometer						
	A	10^{-2}	B	10^{-8} cm	C	10^{-16} cm	D	None of these
13		The wavelength of voilet region of visible specra is …..						
	A	4000 Å	B	6000 Å	C	7000 Å	D	5890 Å
14		Give the wavelength of sodium light = ……						
	A	4047 Å	B	5890 Å	C	4300 Å	D	5500 Å
15		If least count measurement of spectometer is 1 minit then what will be value of mainscale …… and total division						
	A	1/2, 50 div	B	1 unit 100 div	C	1/2 unit, 100 div	D	1 unit, 50 div
16		Following is a part of spectrometer …….						
	A	scale	B	collimeter	C	sodium lamp	D	None of these
17		The figure of merit of galvinometer measured in unit ……..						
	A	microampier./mm	B	microampier./m	C	microampier./ampier	D	miliampier./cm
18		An eyepiece is a part of …….						
	A	vernier culipers	B	micrometer screw	C	Post office box	D	spectometer
19		A minimum angle of deviation for simple glass prism is of the order of ……..						
	A	38̊ થી 41̊	B	70̊ થી 80̊	C	>100̊	D	1.5
20		The unit of wave number is …….						
	A	cm.	B	cm^2	C	cm^{-1}	D	m
21		The reciprocal of wavelength is called…….						
	A	Wavelength	B	frequency	C	wavenumber	D	amplitude
22		1 inch = …….. Cm						
	A	18.54 cm	B	2.54 cm	C	3.54 cm	D	4.20 cm
23		In vernier calliperce positive error the correct observation is …….						
	A	Positive	B	Negative	C	a and b both	D	None of these
24		How many main part of micrometer screwgadge?						
	A	1	B	2	C	3	D	4
25		The unit of wavlength is ……..						
	A	Å	B	Watt	C	Volt	D	None of these