Kingdom of Saudi Arabia Ministry of Higher Education University of Hail Preparatory Year Deanship Basic Science Department Medical Physics

Name:

5) 1



العملكة العربية السعودية وزارة التعليم العلي جشعة عمل عمادة المنة التحضيرية قسم الحلوم الاسفية الغيزيات الطبية

First semester 2017-2018 PHYS-121 Quiz (3)

Sec:

ID:					_		
1) Because of t	the Doppler effe	ect sounds cor	ming from a m	oving sour	rce.		
a) seem loude	r than if the sou	irce were not	moving.				
b) are of a hig	her frequency i	f the source is	s moving away	from the	observer.		
have a lowe	er frequency if i	the source is	moving toward	1 the obser	VEF.		
d have a high	er frequency if	the source is	moving towar	of the obse	rver.		
2) The three lov	vest resonant fr	requencies of	a system are	50 Hz, 150	0 Hz, and 25	0	
	stem could be						
a) a tube of	air closed at b	oth ends.					
	air open at on						
	air open at bo						
d) a vibratir	ng string with	lixed ends.					
An open-end	resonance tube	e sounds out	a fifth harmo	nic at 160	00 Hz. The f	frequency of	the second
armonic is							
-> 220 H-							
a) 320 Hz							
b) 533 Hz							
c) 960 Hz							
d) 640 Hz							
What is the form	mula for dens	ity?					
a) Force divid	ded by area						
Description of	wided by for	100					
) Pressure di	Videu by los	-					
	ed by volume						
) Volume div	vided by force	c					
	W 55						
Pascal is equiv	ralent to:						
a) N/m							
b) N.m							
c) Nm ²							
@ N/m				-	1.	14	
	Question	1	2	3	4	15	1
	Kacaman						
	Annual						
	Answer	100					
		100000			_		

Ministry of Higher Education University of Hall Preparatory Year Deanship Basic Science Department Medical Physics



First semester 2017-2018 PHYS-121 Quiz (3)

		Quiz (3)						
	Name: Sai				ID:			
	1) The Doppler effect	ct is p	roduced if					
	A. the source is	in mot	tion.					
	B. the detector is	in m	otion.					
	a and b.							
	D. none of the ab							
	O both of	releng (A) a	ths of sound ths of soun nd (B) are t	d produce rue	ed can be cha	anged aried		
- 1	A. the line	iisity (or sound pr	oduced (can be chang	ged		
- 1	3) The SI unit of press	core is						
-	@ Pascal	HILC II	PARTIES.					
-	B. N/m							
1	C. N/m ³							
-	D. Both (A) and (C	·						
1	D. Dour (A) and (C) are	true					
4	Pressure is equal to							
1"								
	Offorce divided	by ar	ca.					
	B. force times ar							
	C. force times le	ver a	rm length.					
	D. force plus are	a.						
5) T	he three lowest resona	ant fr	conencies	f a count				
A	1. a tube of air closed	d at h	oth and	n a syst	em are 50 F	iz, 100 F		
D	. a tube of air open a	at one	end.					
C	a tube of air open a	t bot	h ends.					
D.	none of the above							
		*						
	Ques	tion	1	Ta	-			
	Ques	uon	1	2	3	4		
			Description of	1				
	Answ	er						

	er effect is the cha ion of the source a		requency due to	1		
	through which the					
	of the source.				1	
the type of						
- I was a second			Not foresteen			
Q2) the inter	sity of sound war	we is directly prof	OLDOZIUZIU AL			
als for	a conserve of the tre	COMMENDAY.				
b) th	ie square of the w	vavetengu.				
() t	he square of the	neriod.				
(b	the square of the	berron.		and in Pascal is		
	mal atmospheric	pressure measur	red at sea level me	Wonten as a men		
Q3) Nor	mal atmospheric	headen				
1 00 1	$OOKL \alpha$					
1 10	kPa					
10	10, N.m					
1 0	a and c		No.	waried; hence,		
1	a and c In human speed	th: The vocal co equencies of sou	rd tension can be	he changed		
100	In human speec	equencies of sour eavelengths of so of (A) and (B)	nd produced can	n he varied		
100	a) the fre	quencies of se	ound produced co	W. O.		
1	b) the W	avelengths of a	are truc		267 xH 025 4-	
1	O both	of (A) and (B)	ad produced can	be changed Hz.	50 Hz, and	
1	O oba	intensity of sou	nu procies of a 5	stem are	50 Hz, and 250 Hz. The	
1	d) the	west resonant fr	equeries			
1 .	The three lov	Nestra				
1.	system coul	d be of air closed at l	ooth ends.			
1	23310	f air closed at	- and			
	a) a ture	of air closed at of air open at of air open at	both ends.		15	
	a tube	s is open at	Dom	12	14 /	
	c) a tube	1-015		2 /3		
	n none	of the are	estion 1	1	+	
	(a) 110.	Gar	- Service			
			1	7		
		1				
		Answer				
		1				
				-		
100						
100						
			_			