Physics II Exam 3	4 1		Name:	Ven	
1. A proton has a force or	n it which points up	p, and it is m	oving towards	/	e magnetic field i
known to be perpendicula	ir to the velocity, ir	which direc	tion is it?		
(a) north (b) south	(c) east	(d) west	(c) up	(f) down	
Two different resistors	are in parallel with	h each other.	Which one ha	s the largest vo	oltage?
(a) the larger resistor	(b) the smaller	r resistor 1	(c) same vol	tage	(d) it depends
3. If $\vec{A} = \vec{B} \times \vec{C}$, which	vectors must neces	sarily be per	pendicular to e	ach other?	40
(a) \vec{A} and \vec{B} (b) \vec{A} and	\vec{C} (c) \vec{B} and \vec{C}	, (d) all of	them (e) jus	(a) and (b)	(f) none of then
4. A wire has a current ru force on the wire?	nning north in a m	agnetic field	which points u	p. What is the	direction of the
(a) north (b) south	(c) east	(d) west	(e) up	(f) down	
5. Which diagram below	correctly shows the	e direction of	the magnetic	field lines of a	bar magnet?
(a) (b) _	(6)	-	Vd) -	<u> </u>
(SN) I I	Gut 1			1	
				/ (100	(5)
6. How should two resists	ors be connected to	each other is	a order to order	o the least soil	etomos?
			stance either w		t depends
A rectangular loop with and partly outside as show	a clockwise currer n. In which direct	nt is partly in	side a magneti		—>————
				22/4	0000
(a) up (b) down (c)	left (d) right	(e) into pa	age (f) out	of page	
8. An electron is going so force on the electron?	uth through a magn	netic field wh	ich points east	. In which dir	ection is the
(a) north (b) south	(c) east (d) west	(e) up	(I) down	•
9. Which magnetic dipole position?	shown in the figur	e is in its stal	ble equilibrium	ØA.	\$ ₹
(a) A (b) B	(e) C	d) D (e) both C and E	, 0-	0.0
10. Two different resistors	are in series with	each other. V	Vhich one has	the largest volu	tnoe?
					ongster i
(a) the larger resistor	(b) the smaller	resistor	(c) same volt	nge	(d) it depends

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