1. Schedule 40 rigid polyvinyl chloride (Type PVC) conduit has a smaller inside diameter than Schedule

TRUE/FALSE

	80 rigid nonmetallic PVC conduit.					
	ANS: F The outside diameters are the same while the inside diameter of schedule 80 is smaller than schedul 40.					
	PTS:	1	OBJ:	2-7		
2.		luplex receptacesidential brance			ised to	terminate the white grounded conductor of a 120-
	ANS:	T	PTS:	1	OBJ:	2-8
3.	On a C	GFCI receptacle	e, the in	coming power	is conn	nected to the line terminals.
	ANS:	T	PTS:	1	OBJ:	2-8
4.	Manuf	facturers of non	metalli	c sheathed cab	le color	code a 12/2 Type NM cable with the color orange.
	ANS: 12/2 c	F able is yellow.				
	PTS:	1	OBJ:	2-5		
5.	A wire		comm	on wire connec	tor use	d by electricians to splice together two or more
	ANS:	T	PTS:	1	OBJ:	2-6
6.	Staple	s are the most of	commo	n item used to s	secure a	and support cables in residential wiring.
	ANS:	T	PTS:	1	OBJ:	2-11
7.		usually base the ally recognized				pment on whether it is listed and labeled by a
	ANS:	T	PTS:	1	OBJ:	2-1
8.		with mountinged to as old wor			ed new	work boxes; boxes without mounting ears are
	ANS: With e	F ears are old wor	k boxe	s, without ears	are nev	v work boxes.
	PTS:	1	OBJ:	2-3		

9.	In the American Wire Gauge system: the smaller the number, the smaller the conductor; and the larger the number, the larger the conductor. ANS: F Smaller number means bigger wire, larger number means smaller wire.							
	PTS: 1	OBJ: 2-5						
MUL	ГІРЬЕ СНОІСЕ							
1.	wire sizing scalea. American Wib. Metric system	for the United States. re Gauge n measuring system		nd cross se	ctions for wire sizing and is the standard			
	ANS: A	PTS: 1	OBJ:	2-5				
2.		d a(n) nductor	onductor and	a grounded	I piece of equipment or the grounded			
	ANS: C	PTS: 1	OBJ:	2-8				
3.	-	oath, which results in	-	e of current	that flows around, rather than through,			
	ANS: B	PTS: 1	OBJ:	2-8				
4.	It is the	ion.	of approving	the electric	al materials used for a residential			
	ANS: D	PTS: 1	OBJ:	2-1				
5.	groups follow wha. Underwriters b. Canadian State	en designing and pro Laboratories ndards Association trical Manufacturers	ducing elect		uipment standards that all member ment.			
	ANS: C	PTS: 1	OBJ:	2-2				

6.	The National Electrom single-gang to a. 6 b. 8 c. 10 d. 12			cable to be secured no more than _	inches
	ANS: B	PTS: 1	OBJ:	2-5	
7.	When nonmetallic secured no more to a. 8 b. 10 c. 12 d. 18	device boxes tha	t are 2-gang or nches from the	more are used, the installed Type Nebox.	VM cable must be
	ANS: C	PTS: 1	OBJ:	2-5	
8.	When using aluming of current as a copta. a smaller b. the same c. a larger d. the same or later than the same or	pper conductor.	si	ze conductor must be used to carry	the same amount
	ANS: C	PTS: 1	OBJ:	2-5	
9.	Which of the follo a. 8 AWG b. 10 AWG c. 12 AWG d. 14 AWG	owing conductors	is the largest?		
	ANS: A	PTS: 1	OBJ:	2-5	
10.	The conductor and return a. black b. white c. red d. green			sidential branch circuit is used as the source.	ne grounded
	ANS: B	PTS: 1	OBJ:	2-5	
11.	Typea. NM b. NM-B c. SE d. None of the all ANS: D Type UF		underground ir	nstallations of branch and feeder cir	cuits.
	PTS: 1	OBJ: 2-5			
12.	Type	cable is used for	underground se	ervice entrance installations.	

	a. SEb. UFc. USEd. NM-B			
	ANS: C	TS: 1	OBJ: 2-5	
13.	The NEC® requires rigino more than every a. 3, 8 b. 5, 10 c. 2, 10 d. 3, 10	d metal conduit to be feet thereaf	e supported within: ter (general rule).	feet of each box and then
	ANS: D	PTS: 1	OBJ: 2-7	
14.		conductor of a 120-von a duplex receptacle	olt residential branch circuit is to	erminated to the
	ANS: A P	PTS: 1	OBJ: 2-8	
15.	a. copperb. copper-clad aluminc. aluminumd. All of the abovee. a and b only	um	nat conductors may OBJ: 2-8	be terminated to it.
16.	called a sv a. single-pole b. double-pole c. occupancy d. combination	vitch.	branch circuits to control a load OBJ: 2-8	from one location is
17.			F marked on the switch handles	
	ANS: B	TS: 1	OBJ: 2-8	
18.	are the mo a. Circuit breakers b. Edison-base fuses c. Plug fuses d. Cartridge fuses	st often used type of	overcurrent protection device u	sed in residential wiring.

	ANS: A	PIS:	1	OBJ:	2-9	
19.	plug fur fuses. a. Edison-base b. Type S c. Cartridge d. Plug	ses are c	considered non	tampera	able and are used in new installations requiring plug	
	ANS: B	PTS:	1	OBJ:	2-9	
20.	A part of an electrica to the box is called a a. knockout b. mounting bracket c. cable clamp d. plaster ear	ι		to be re	moved so that a cable or raceway can be connected	
	ANS: A	PTS:	1	OBJ:	2-3	
21.	When two or more edevice it is calleda. fitting b. ganging c. sticking d. boxing			are join	ed together for the purpose of holding more than one	3
	ANS: B	PTS:	1	OBJ:	2-3	
22.	Romex is a trade nar a. armored cable b. metal-clad cable c. underground fee d. nonmetallic shea	der cabl	e	to refe	r to	
	ANS: D	PTS:	1	OBJ:	2-5	
23.	A GFCI circuit breaka. yellow bodyb. length of white vc. larger operatingd. smaller body size	wire atta handle		ole by th	ne "push-to-test" button and the	
	ANS: B	PTS:	1	OBJ:	2-8	
24.	If a switching device with the device. a. copper b. copper-clad alunc. aluminum d. Any of the above	ninum	marking CU C	ONLY o	on it, an electrician can use only wire	
	ANS: A	PTS:	1	OBJ:	2-8	

23.					nductors connected to the receptacle.
	ANS: D	PTS:	1	OBJ:	2-8
26.	a. tamper resistantb. terminatedc. color codedd. self-grounding		•	•	ed in a house must be
	ANS: A	PTS:	1	OBJ:	2-8
27.		ell as th	ne fuses or circu	uit brea	he main disconnecting means for the residential kers used to protect circuits and equipment like
	ANS: B	PTS:	1	OBJ:	2-10
28.					ion from falling dirt, rain, snow, sleet, and and will need to be installed for outside
	ANS: C	PTS:	1	OBJ:	2-10
29.	A is described sheathing that can be a. wire b. conductor c. cable d. None of the above	nonme			or more conductors that has an overall outer
	ANS: C	PTS:	1	OBJ:	2-5
COM	PLETION				
1.	All		boxes must be	access	ible after they are installed.
	ANS: junction				
	PTS: 1	OBJ:	2-3		
2.	The		of a conducto	or refers	s to its ability to carry current.

	ANS:	ampacity		
	PTS:	1	OBJ:	2-5
3.		dential wiring, d with 12 AWC		C® requires aampere circuit breaker or fuse to r conductors.
	ANS:	20		
	PTS:	1	OBJ:	2-9
4.	Electri	cians often ref	er to Ty	pe AC cable as cable.
	ANS:	BX		
	PTS:	1	OBJ:	2-5
5.	A(n) _ equipn			_ is a point on the wiring system at which current is taken to supply
	ANS:	outlet		
	PTS:	1	OBJ:	2-8
6.			de	vices are used when more than one device is needed at one location.
	ANS:	Combination		
	PTS:	1	OBJ:	2-8
7.	Aaway b	by the extreme	heat ca	s an overcurrent device that opens a circuit when a fusible link is melted used by an overcurrent.
	ANS:	fuse		
	PTS:	1	OBJ:	2-9
8.				plug fuses cannot be used in new installations.
	ANS:	Edison-base		
	PTS:	1	OBJ:	2-9
9.	foot-po	ounds or inch-	is a	a measure of how much a fastener is being tightened and is measured in
	ANS:	Torque		
	PTS:	1	OBJ:	2-11
10.	A sing breake	le-pole breaker r is used on a c	r is used	l on a circuit voltage of volts and a two-pole oltage of volts in residential wiring.

	ANS: 1	20, 240		
	PTS: 1		OBJ:	2-9
11.				nited States, the AHJ may not allow nonmetallic sheathed cable in alternative wiring method most often used is
	ANS: armored- metal-cla conduit			
	PTS: 1		OBJ:	2-5
12.		l products.	states th	nat only qualified electrical testing labs can test, evaluate, and then list
	ANS: 1	10.3(C)		
	PTS: 1		OBJ:	2-2
SHOI	RT ANSW	VER		
1.	Explain	how a produc	ct gets l	isted.
	ANS: Product	meets a set o	f desigr	nated standards set up by a Nationally Recognized Testing Laboratory.
	PTS: 1		OBJ:	2-2
2.	Explain	the purpose of	of an an	tioxidant in electrical wiring.
	ANS: Used wit	th aluminum	conduc	etors to prevent oxidation and maintain a good electrical connection.
	PTS: 1		OBJ:	2-5
3.	Describe	a situation v	when th	ree-way switches are used in a residential lighting circuit.
	ANS: When or	ne or more lig	ght fixtu	ares on a circuit are to be controlled from two locations.
	PTS: 1		OBJ:	2-8