## \* Multiple Choice Question \*

	- D	une semicondu	ctor impurities are also ca	lled as		
	a. Acce	ptor rrities	b. Done: m-t			
	2123}74	2, 1000	141	anoth Lis R.O. If the d	iameter of the conducts	
_	The rac	istance of a con-	ductor of diameter d and l	engui i is ic sz. ii die o	nameter of the conductor	
2	i ne res	and its length	16 / 11 11 11 11 11 11 11 11 11 11 11 11 1	WIII DC	d. 8R Ω	
			b. 2R Ω	c. 4R Ω	u. 614 52	
	a. R S	2				
		nit of resistivity	S		d. $\Omega/m^2$	
3		iit of fesistivity	b. Ω*meter	c. $\Omega$ /meter	d. 52/111	
	a. Ω			g in a first last the		
		etic flux has the	unit of		d Toole	
4			b. Ampere turn	c. Weber	d. Tesla	
	a. No	ewton	0. 12			
		the following	ngs is/are active element?			
5	Whic	h of the following	b. Current source	c. Both	d. None of these.	
	a. V	oltage source	U. Cultone source			
		The Charge	·ic			
6		SI unit of Power	b. Coulomb	c. Watt	d. Watt-hour	
	a. H	lenry	0. Coulomo			
			urce haveinternal re	sistance.		
1				c. Finite	d. None of these	
	a. (	)	b. ∞			
			orinciple of which of the f	following		
			b. Law of	c. Both	d. None of the abo	
		Law of	conservation of			
	cons	servation of				
	cha	rge	energy			
				oltmeter?		
			ould be measured by the v	c. Power	d. Speed	
	a.	Current	b. Voltage	c, Tower	d. Speed	
			into	rnal resistance.		
	10 An	ideal voltage so	Juice nave	c. Finite	d. None of these	
	a.	0	<b>b</b> . ∞	c. Thine	d. None of these	
			o 1:1 Calo	following		
	11 KG	CL works on the	principle of which of the	c. both	d Non- a	
		Law of	b. Law of	C. oom	d. None of these	
	co	nservation of	conservation o	1		
		arge	energy			
		•	32 (1)	tion of the induced F	MF was introduce to	
	12 T	he right hand ru	le for determining the dir	c. Fleming	ng d. Maxwell	
		. Faraday	b. Lenz	C. Tienn	a. Maxwell	
	u					

- Which of the following represents ohms law 13 a. V = RIb.  $J = \sigma E$
- c. I = GV
- d. All of the above
- Biot-Savarts law states the relation between magnetic intensity and. a. filament current
  - only
- b. surface current only
- c. volume current only
- d. (A), (B), and (C) are all correct

- The mass of the atom is determined by 15
  - a. proton
- b. electrons
- c. neutron and proton
- d. electron and proton

- What is the unit of potential difference? 16
  - a. Ohm

b. Volt

c. Watt

d. ampere

- What is mean by the rate of flow of an electric charge?
  - a current
- b. potential
- c. resistance
- d. None of the above

- The Biot-savarts law is a general modification of 18
  - a. Kirchhoff's law
- b. Lenzs law
- c. Amperes law
- d. Faradays law

- The drawback of Daltons atomic structure is that, it says
  - a. the atoms can

be destroyed

- neither be created nor
  - atom.

- c. most of the volume of an atom is empty space
- d. none of these

- What is the relation between time period T and frequency? 20
  - a. T = 1 / frequency

b. unique nature of

- b. T = 0.5 / frequency c. T = 0.8 / frequency
- d. T = frequency

- Atoms with fewer than 4 valence electrons are 21
  - a. insulator
- b. semi-conductor
- c. conductor.
- d. none of these

- 22 The absolute charge of an electron is
  - a.  $-1.6 \times 10-19$  C
- b.  $+ 1.6 \times 10-19 C$
- c.  $1.6 \times 10-19$  C
- d. None of above

- 23 Ampere second is the unit of
  - a. conductance
- b. power
- c. energy

d. charge

- 24 The basic circuit elements are
  - a. R, L and C
- b. Vs. Is

magnet

- c. both A and B
- d. none of the above

- 25 Which of the following has no units?
  - a. Permeability
- b. Moment of a
- c. Magnetic susceptibility
- d. Permittivity

a. a moving vehicle

39	Batteries differ from fuel cells in that  a. a battery is closed b. a battery uses							
	system	b. a battery uses hydrogen & oxygen to create electricity	c. none of these	d. a battery uses polymer electrolyte				
40	What are the unit and	symbol for current?		membrane				
	a. Ampere, Q	b. Ampere, c	c. Ampere, I	d. Ampere, A				
41	Material that consists of a mixture of elements is considered to be:							
	a. an ion	b. a molecule	c. an element	d. a compound				
42	A galvanometer in series with a high resistance is called							
,_	a. An ammeter	b. A voltmeter	c. A wattmeter	d. None of these				
43	A voltmeter should have resistance							
	a. Zero	b. Very High	c. Very Low	d. None of these				
44	An ammeter should have resistance							
	a. Zero	b. Very High	c. Very Low	d. None of these				
45	The sensitivity of a m	ultimeter is given in	· · · · · · · · · · · · · · · · · · ·					
	a. Ω	b. Amperes	c. kΩ/V	d. none of the above				
46	If the negative potential on the control grid of CRT is increased, the intensity of spot							
	a. Is increased	b. Is decreased	c. Remains the same	d. None of the above				
47	For display of signal pattern voltage is applied to the horizontal plates of a CRO							
.,	a. Sinusoidal	b. Rectangular	c. Sawtooth	d. None of the above				
48	When an ammeter is inserted in the circuit, the circuit current will							
	a. Increase	b. Decrease	c. Remain the same	d. None of the above				
49	A CRO is used to measure							
	a. Voltage	b. Frequency	c. Phase	d. All of above				
50	The	coat inside the face of CR	T is					
,	a. Carbon	d. Phosphorous						
	4. Cardon	D. Sulpliui						

## Answers:

and the second by

l (a)	2 (d)	3(b)	4(c)	5(c)	6(c)	7(b)	8(a)	9(b)	10(a)
11(b)	12(c)	13(d)	14(c)	15(c)	16(b)	17(a)	18(c)	19(a)	20(a)
21(c)	22(a)	23(d)	24(a)	25(c)	26(c)	27(c)	28(d)	29(b)	30(a)
31 (b)	32 (b)	33(b)	34(b)	35(b)	36(c)	37(a)	38(d)	39(a)	40(c)
41(d)	42(b)	43(b)	44(c)	45(c)	46(b)	47(c)	48(b)	49(d)	50(d)

42 A gatyanann to in seites with a high casistanux a called

Totacdian A. a. Tanadian A. d. Sorgians S.A. a.

×

wed voolvoor

OUNTAINES.