(A)	rate of doing work'. ht	tps://selldocx.com/products
		oduction-to-electrical-science-1e-waygood
(B)	the ability to do work'.	Answer:
(0)		$\binom{B}{B}$ the ability to do work'.
(C)	rate of transferring power'.	,
(D)	mass multiplied by distance moved'.	
2		Work' is defined as 'the
(A)	transfer of energy from a body at a higher temperature to one at a lower temperature',	
/ D	transfer of energy from one form into	Answer: (B) transfer of energy from one form into another'.
)	another'.) transfer of energy from one form into another.
(C)	the rate of transferring power'.	
3		Heat' is defined as 'the
(A)	transfer of energy from a body at a higher temperature to one at a lower temperature',	
(B)	thermal energy.	Answer: (A transfer of energy from a body at a higher temperature to one at) a lower temperature',
(C)	the temperature of a body.	
4		Power' is defined as 'the
(A)	rate of doing work'.	
(B)	rate of heat transfer'.	Answer:
		(D) any of the above.
(C)	rate of energy transfer'.	, .
(D)	any of the above.	

(A) watt.	
(B) joule.	Answer: (B)joule.
(C) kelvin.	
(D kilowatt hour.	
6	The SI unit of measurement for work is the
(A) watt.	
(B) joule.	
(C) kelvin.	Answer: (B)joule.
(D kilowatt hour.	
7	The SI unit of measurement for heat is the
,	The SI unit of measurement for neat is the
(A) watt.	
(A) watt. (B) joule.	Answer:
	Answer: (B)joule.
(B) joule.	
(B) joule.(C) kelvin.	
(B) joule.(C) kelvin.	
(B) joule.(C) kelvin.(D) kilowatt hour.	(B)joule.
(B) joule. (C) kelvin. (D kilowatt hour.) 8 (A) watt.	(B)joule.
(B) joule. (C) kelvin. (D kilowatt hour.) 8 (A) watt. (B) joule.	(B)joule.
(B) joule. (C) kelvin. (D kilowatt hour.) 8 (A) watt.	(B)joule. The SI unit of measurement for power is the Answer:

an a.c. circuit is termed

13		The combination of the two quantities, described above, is termed the of an a.c. circuit.
(C)	reactive volt amperes.	
(B)	volt amperes.	Answer: (C reactive volt amperes.)
(A)	watts.	
12		The above quantity is traditionally expressed in
(C)	reactive power'.	
(B)	true power'.	Answer: (C reactive power'.
(A)	apparent power'.	
11		The rate at which energy is alternately stored in a circuit's electric or magnetic field and returned to the supply, every quarter-cycle, is termed
(C)	reactive volt amperes.	
(B)	volt amperes.	Answer: (A)watts.
(A)	watts.	
10		The above quantity is traditionally expressed in
(C)	reactive power'.	
(B)	true power'.	Answer: (B true power'.
(A)	apparent power'.	

(A)	apparent power'.	
(B)	true power'.	Answer: (A apparent power'.)
(C)	reactive power'.	
14		The above quantity is traditionally expressed in
(A)	volt amperes.	
(B)	reactive volt amperes.	Answer: (A volt amperes.
(C)	watts.	
15		The apparent power of an a.c. load is the of its true power and reactive power.
(A)	algebraic sum.	
(B)	algebraic difference.	Answer:
(C)	vector sum.	(C vector sum.
(D)	vector difference.	
16		To convert a voltage phasor diagram to a power diagram,
(A)	divide the voltage phasors by the reference phasor.	
(B)	multiply the voltage phasors by the reference phasor.	Answer: (B) multiply the voltage phasors by the reference phasor.
(C)	add the reference phasor to the voltage phasors.	multiply the voltage phasors by the reference phasor.
(D)	subtract the reference phasor from the voltage phasors.	

	(A)	cosine of the phase angle.	
	(B)	ratio of true power to apparent power.	Answer:
	(C)	ratio of resistance to impedance.	(A cosine of the phase angle.
	(D)	any of the above	
;	18		The term, 'leading' power factor, describes a circuit in which the
	(A)	load current leads the supply voltage.	
	(B)	load current lags the supply voltage.	Answer: (A load current leads the supply voltage.
	(C)	load current is in phase with the supply current.	