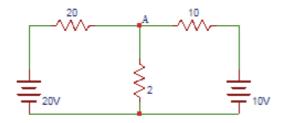
As the load current increases, the number of revolution of disc meter is	in energy 1 point
increased	
O Decreased	
o remains same	
onone of these	
	Clear selection
KCL is based on the fact that	1 point
There is a possibility for a node to store energy.	
Charge accumulation may or may not be possible.	
Charge accumulation is possible at node	
There cannot be an accumulation of charge at a node.	
	Clear selection

Find the voltage across  $2\Omega$  resistor due to 20V source in the circuit shown 1 point below.



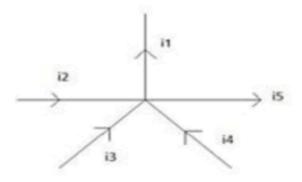
- 0 1.418
- 1.538
- 2.80
- 2.75

Clear selection

In Thevenin's theorem Vth is	1 point
A single voltage source	
O Infinite voltage sources	
O Sum of two voltage sources	
None of the above	
	Clear selection
To conduct the open circuit and short circuit test, tests are cond the which side	ucted on 1 point
Secondary and Primary Side	
H.V side and L.V. Side	
Primary and Secondary Side	
L.V side and H.V side	
	Clear selection

## Relation between currents according to KCL is\_\_\_\_

1 point

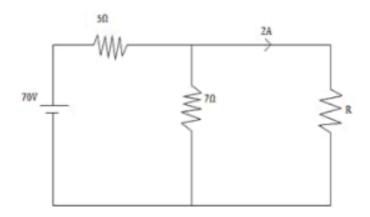


- ( i1-i5=i2-i3-i4
- ( ) i1=i2=i3=i4=i5
- i1+i5=i2+i3+i4

Clear selection

Find R

1 point



- ( ) 17.5 Ω
- 17.2 Ω
- 17.4 Ω
- 17.8 Ω

Clear selection

Energy meter is a	1 point
recording instrument	
O None of these	
O Integrating instrument	
indicating instrument	
Clear sele	ction
In a two-wattmeter method, both the wattmeter has identical reading. The power factor of the load is	1 point
O.5	
<ul><li>unity</li></ul>	
0.8	
O zero	
Other:	
Clear sele	ction

One of the wattmeter reads 500 watt and other reads 1000 wat wattmeter method. Calculate the power factor?	t in two 1 point
0.540	
0.870	
<ul><li>0.866</li></ul>	
O 0	
Other:	
	Clear selection
lsc is found across the terminals of the network.	1 point
Output	
Either input or output	
Neither input nor output	
Input	
	Clear selection

A 10kVA transformer, 400V / 200V single phase transformer ha primary winding current (HV) is	aving 1 point
○ 50A	
O 20A	
O 4000A	
	Clear selection
Wattmeter is designed on the principle of	1 point
Dynamometer type Instrument	
Electrostatic type Instrument	
Moving Iron type Instrument	
Thermocouple type Instrument	
	Clear selection

Energy met	ter is a	1 point
recordin	ng instrument	
None of	these	
Integration	ing instrument	
indicatin	ng instrument	
		Clear selection
	attmeter method, both the w or of the load is	vattmeter has identical reading. The 1 point
0.5		
unity		
0.8		
Zero		
Other:		

theorem is quite useful when the current in one branch of is to be determined or when the current in an added branch is to calculated.	
Superposition	
O Thevenin	
Norton	
Maximum Power Transfer	
	Clear selection
Superposition theorem is not applicable for	1 point
O Voltage calculations	
Power calculations	
O Passive elements	
O Bilateral elements	
	Clear selection

In Superposition theorem, while considering a source, all other sources are?	current 1 point
removed from the circuit	
short circuited	
Change its position	
open circuited	
	Clear selection
In source transformation	1 point
O Voltage source remains the same	
Current source remains the same	
Both voltage and current source remains the same	
Resistance remain the same	
	Clear selection

Which of the following instruments disc is present	1 point
Energymeter	
O Ammeter	
O Voltmeter	
O Wattmeter	
	Clear selection
Norton theorem is form of an equivalent circuit.	1 point
O None of the above	
○ Voltage	
Both current and voltage	
Current	
	Clear selection

A linear circuit is one whose parameter	1 point
Changes with change in current	
Changes with change in voltage	
O not changes with voltage and current.	
Changes with both voltage and current	
	Clear selection
Which of the following does not change in a transformer?	1 point
Frequency	
All of the above	
○ Voltage	
Current	
	Clear selection

Iron loss of a transformer can be measured by	1 point
any type of wattmeter	
of frequency meter	
unity power factor wattmeter	
low power factor wattmeter	
	Clear selection
Norton's theorem is true for	1 point
O Non-Linear network	
Both linear networks and nonlinear networks	
Linear network	
Neither linear networks nor non-linear networks	
	Clear selection

The algebraic sum of voltages around any closed path in a network is equal 1 point to
Infinity
O 1
O
Negative polarity
Clear selection
The meter constant of single phase energy meter is expressed in terms of 1 point
Revolutions/kWh
○ kW/kWh
O Amps/kW
○ Volts/kWh
Clear selection

In two wattmeter method, one wattmeter reads 350 watts with p factor of 0.8 lag then calculate the reading of another wattmeterwatt?	
138.6	
136.6	
137.6	
139.6	
	Clear selection
Roll Number (E) or (F) *	
F24	
Short circuit test conducted on	1 point
Rated voltage	
high frequency supply	
Rated current	
O direct current	
	Clear selection

Under OC test all the meters are connected on low voltage side	1 point
O None of these	
Low range of ammeter, voltmeter and watt meter are sufficient	
O Both A & B	
O Very low current on HV side	
	Clear selection
Induction type single phase energy meters measure electric energy	gy in 1 point
○ kW	
○ VAR	
kWh	
O None of these	
	Clear selection