

CH1  
Variables.  
① A -

CH10  
① Safety

CH2  
Elements, Ohm's law.  
② A B, C  
Kirchoff's laws.

② Power,  $V + I$  measurements

CH3  
Resistive ckt's - series & parallel  
③ A B Time varying sources: voltage & current division, non-ideal measurement devices.

③ Series & parallel resistive.

CH4  
Techniques of circuit analysis.  
④ A B C Node & mesh eq. dependent sources.  
⑤ A B C superposition.

④ Source & function generators

⑤ Mesh & node voltage.

CH6  
Inductance & capacitance.  
⑥ A B

⑥ Thevenin or Norton Equiv.

CH9  
Sinusoidal steady state.  
C Euler Identities. rect/polar conv. reactance susceptance, impedance. phasor equiv ckt's. Real power  
⑦ A B C  
⑧ A B C

⑦ Impedance char of elements.

⑧  $V + I$  phasor relationship.

CH10  
Sinusoidal steady state power.  
⑨ A B C  
power factor, trig, PF correction. Max power transfer.

⑨ Sinusoidal steady state power.

⑩ A B C  
Review & tests.

⑩ Practical exam

a  
b  
B  
L  
g  
S  
h  
E  
C

100

Skip chapter 5

Skip 7, 8