

K/A	Pressurized-Water Reactors Topic	No. of Items
	<u>Components</u>	
191001	Valves	2
191002	Sensors and Detectors	4
191003	Controllers and Positioners	3
191004	Pumps	4
191005	Motors and Generators	2
191006	Heat Exchangers and Condensers	2
191007	Demineralizers and Ion Exchangers	2
191008	Breakers, Relays, and Disconnects	3
	<u>Reactor Theory</u>	
192001	Neutrons	1
192002	Neutron Life Cycle	1
192003	Reactor Kinetics and Neutron Sources	1
192004	Reactivity Coefficients	2
192005	Control Rods	2
192006	Fission Product Poisons	2
192007	Fuel Depletion and Burnable Poisons	1
192008	Reactor Operational Physics	4
	<u>Thermodynamics</u>	
193001	Thermodynamic Units and Properties	1
193002	Not Applicable	0
193003	Steam	2
193004	Thermodynamic Processes	1
193005	Thermodynamic Cycles	1
193006	Fluid Statics and Dynamics	2
193007	Heat Transfer	1
193008	Thermal Hydraulics	4
193009	Core Thermal Limits	1
193010	Brittle Fracture and Vessel Thermal Stress	1
<u>Total Items</u>		50

K/A	Boiling-Water Reactors Topic	No. of Items
<u>Components</u>		
291001	Valves	3
291002	Sensors and Detectors	4
291003	Controllers and Positioners	2
291004	Pumps	4
291005	Motors and Generators	2
291006	Heat Exchangers and Condensers	3
291007	Demineralizers and Ion Exchangers	2
291008	Breakers, Relays, and Disconnects	2
<u>Reactor Theory</u>		
292001	Neutrons	1
292002	Neutron Life Cycle	1
292003	Reactor Kinetics and Neutron Sources	1
292004	Reactivity Coefficients	2
292005	Control Rods	2
292006	Fission Product Poisons	2
292007	Fuel Depletion and Burnable Poisons	1
292008	Reactor Operational Physics	4
<u>Group I Thermodynamics</u>		
293001	Thermodynamic Units and Properties	1
293002	Basic Energy Concepts	0
293003	Steam	1
293004	Thermodynamic Processes	1
293005	Thermodynamic Cycles	1
293006	Fluid Statics	2
293007	Heat Transfer and Heat Exchangers	1
293008	Thermal Hydraulics	3
293009	Core Thermal Limits	3
293010	Brittle Fracture and Vessel Thermal Stress	1
<u>Total Items</u>		50