

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 1
(1 point)

Which ONE of the following combinations of statalarms, if actuated, would result in illumination of the Trip Confirm Lamp on the Diamond?

- A. 1SA-1/E-2 (CRD BKR A TRIP)
1SA-1/E-4 (CRD BKR C TRIP)
 - B. 1SA-1/E-2 (CRD BKR A TRIP)
1SA-1/E-5 (CRD BKR D TRIP)
 - C. 1SA-1/E-2 (CRD BKR A TRIP)
1SA-1/E-6 (CRD ELECTRONIC TRIP E)
 - D. 1SA-1/E-3 (CRD BKR B TRIP)
1SA-1/E-7 (CRD ELECTRONIC TRIP F)
-

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Question: 2
(1 point)

Given the following Unit 1 conditions:

- Reactor power = 100%
- 1RC-66 fails OPEN

- 1) The initial Reactor Protective System trip function setpoint reached will be RCS __ (1) __ pressure.
- 2) Following the Reactor trip, with actual SG Outlet pressure = 985 psig, the Turbine Bypass valves will be __ (2) __.

Which ONE of the following completes the statements above?

ASSUME NO OPERATOR ACTIONS

- A.
 1. Low
 2. throttled open
 - B.
 1. Variable Low
 2. throttled open
 - C.
 1. Low
 2. closed
 - D.
 1. Variable Low
 2. closed
-

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Question: 3
(1 point)

Given the following Unit 1 conditions:

Time = 1700

- Reactor trip from 100%

Time = 1705

- All SCMs = 0°F stable
- HPI header A flow = 578 gpm stable
- 1A and 1B HPI pumps operating
- 1C HPI pump breaker failed open

- 1) The valve that must be opened in accordance with Rule 2 (Loss of SCM) is ____ (1) ____.
- 2) In accordance with Rule 6 (HPI), once the above valve is opened, the MAXIMUM total HPI flow is ____ (2) ____ gpm.

Which ONE of the following completes the statements above?

- A.
 1. 1HP-409
 2. 750
 - B.
 1. 1HP-409
 2. 950
 - C.
 1. 1HP-410
 2. 750
 - D.
 1. 1HP-410
 2. 950
-

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Question: 4
(1 point)

Given the following Unit 1 conditions:

Time = 1200

- Power escalation in progress
- Reactor power = 38% slowly increasing
- A Switchyard Isolation occurs

Time = 1215

- RCS pressure = 2125 psig
- Pressurizer temperature = 640.0°F
- Pressurizer level is stable
- All Pressurizer heaters are energized

1) At Time = 1200, an AUTOMATIC Reactor trip __ (1) __ occur.

2) At Time = 1215, the pressurizer is __ (2) __ .

Which ONE of the following completes the statements above?

- A. 1. will
 2. saturated
 - B. 1. will
 2. subcooled
 - C. 1. will NOT
 2. saturated
 - D. 1. will NOT
 2. subcooled
-

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Question: 5
(1 point)

Given the following Unit 2 conditions:

Initial conditions:

- Reactor power = 78% stable

Current conditions:

- 2A2 Reactor Coolant Pump trips

1) Controlling Tave signal will AUTOMATICALLY switch to Loop __ (1) __ Tave.

2) The reason that the Controlling Tave signal is switched is due to __ (2) __.

Which ONE of the following completes the statements above?

- A. 1. A
 2. RCP 2A2 breaker position

 - B. 1. B
 2. RCP 2A2 breaker position

 - C. 1. A
 2. Loop RCS flow indication

 - D. 1. B
 2. Loop RCS flow indication
-

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Question: 6
(1 point)

Given the following Unit 1 conditions:

- Reactor power = 100%
- All HPI pumps fail
- AP/14 (Loss of Normal HPI Makeup and/or RCP Seal Injection) initiated

- 1) Reactor Coolant Pump thermal barrier cooling will initially be provided by __ (1) __.
- 2) The reason thermal barrier cooling is provided is to prevent seal damage due to __ (2) __.

Which ONE of the following completes the statements above?

- A.
 1. Component Cooling
 2. excessive temperature
 - B.
 1. Component Cooling
 2. flashing across the lower seal
 - C.
 1. Low Pressure Service Water
 2. excessive temperature
 - D.
 1. Low Pressure Service Water
 2. flashing across the lower seal
-

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Question: 7
(1 point)

Given the following Unit 1 conditions:

Time = 1200

- LPI aligned in the Normal Decay Heat Removal mode
- 1A LPI pump operating

Time = 1201

- Loss of offsite power results in Switchyard Isolation

Time = 1202

- Power restored via CT-4

- 1) Assuming NO operator actions, at Time = 1205 __ (1) __ LPI pump(s) will be operating.
- 2) If NEITHER the 1A NOR the 1B LPI pumps were available at Time = 1202, manual reset of Load Shed is __ (2) __ prior to starting the 1C LPI pump.

Which ONE of the following completes the statements above?

- A. 1. the 1A
 2. required
 - B. 1. the 1A
 2. NOT required
 - C. 1. NO
 2. required
 - D. 1. NO
 2. NOT required
-

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Question: 8
(1 point)

Given the following Unit 1 conditions:

Time = 1200

- RCS temperature = 450°F
- Various Breakers supplying Pzr heaters trip OPEN
- FIN24 reports 420 KW of Pressurizer heater capacity remain available

Time = 1400

- RCS temperature = 335°F stable

1) At Time = 1200, LCO 3.4.9 (Pressurizer) requirements __(1)__ met.

2) At Time = 1400, the requirements of Tech Spec 3.4.9 __(2)__ apply.

Which ONE of the following completes the statements above?

- A. 1. are
 2. do NOT
 - B. 1. are
 2. do
 - C. 1. are NOT
 2. do NOT
 - D. 1. are NOT
 2. do
-

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Question: 9
(1 point)

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%
- 1A HPI pump operating
- 1HP-27 closed

Current conditions:

- Both Main FDW pumps trip
- Reactor power 52% decreasing
- Rule 1 (ATWS/Unanticipated Nuclear Power Production) in progress

- 1) In accordance with Rule 1, 1B HPI pump will be started if 1HP-27 will NOT open in order to __ (1) __.
- 2) When all other requirements are met in Rule 6 (HPI), CRS concurrence __ (2) __ be required to throttle HPI.

Which ONE of the following completes the statements above?

- A.
 1. maximize flow in 1A HPI header
 2. will
 - B.
 1. utilize the HPI Cross-over header
 2. will
 - C.
 1. maximize flow in 1A HPI header
 2. will NOT
 - D.
 1. utilize the HPI Cross-over header
 2. will NOT
-

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Question: 10
(1 point)

Given the following Unit 1 conditions:

- Steam Generator Tube Rupture in 1B SG
- Tcold = 490°F slowly decreasing
- RB pressure = 3.1 psig slowly decreasing
- RB temperature = 203°F slowly decreasing
- 1B SG pressure = 606 psig slowly decreasing
- 1B SG Full Range level = 54% slowly increasing

- 1) 1B SG level __ (1) __ reached the level at which water can enter the Main Steam lines.
- 2) Assuming 1B SG has reached the level of water in the Main Steam line and steaming has been discontinued, the next procedural step per the SGTR tab is to __ (2) __.

Which ONE of the following completes the statements above?

REFERENCE PROVIDED

- A.
 1. has
 2. verify the 1A SG is available for steaming
 - B.
 1. has NOT
 2. verify the 1A SG is available for steaming
 - C.
 1. has
 2. align SG blowdown to the 1B SG to lower level
 - D.
 1. has NOT
 2. align SG blowdown to the 1B SG to lower level
-

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Question: 11
(1 point)

Given the following Unit 2 conditions:

- Loss of Heat Transfer has occurred
- Unit 2 TDEFWP is now available to feed the Steam Generators
- 2A SG level = 8 inches XSUR slowly decreasing
- 2A SG pressure = 412 psig slowly decreasing
- 2B SG level = 5 inches XSUR slowly decreasing
- 2B SG pressure = 385 psig slowly decreasing

In accordance with Rule 7 (Steam Generator Feed Control), the MAXIMUM initial feed rate allowed to EACH Steam Generator is limited to __ (1) __ gpm in order to prevent __ (2) __ to the Steam Generator tubes.

Which ONE of the following completes the statement above?

- A. 1. 50
 2. excessive thermal stresses
 - B. 1. 50
 2. flow induced vibration damage
 - C. 1. 100
 2. excessive thermal stresses
 - D. 1. 100
 2. flow induced vibration damage
-

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Question: 12
(1 point)

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%
- ACB-4 closed
- A Switchyard Isolation occurs

Current conditions:

- Keowee Unit 2 Emergency lockout
- 230 KV Yellow Bus Differential lockout

Main Feeder buses will be energized __ (1) __ from __ (2) __.

Which ONE of the following completes the statement above?

- A. 1. manually
 2. CT-4
 - B. 1. automatically
 2. CT-4
 - C. 1. manually
 2. CT-5
 - D. 1. automatically
 2. CT-5
-

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Question: 13
(1 point)

Given the following Unit 1 conditions:

- Station Blackout has occurred

Concerning the TDEFWP...

- 1) Oil cooling water will be supplied by __ (1) __.
- 2) A caution in the EOP BO tab states that reducing steam pressure below approximately __ (2) __ psig can result in reduced TDEFDWP pumping capability.

Which ONE of the following completes the statements above?

- A.
 1. HPSW
 2. 250
 - B.
 1. HPSW
 2. 300
 - C.
 1. LPSW
 2. 250
 - D.
 1. LPSW
 2. 300
-

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Question: 14
(1 point)

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%
- SASS in Manual while FIN24 repairs Pressurizer Level 3 transmitter
- 1HP-120 in AUTO selected to Pressurizer Level 1

Current conditions:

- Vital power to ICCM Train A fails

Which ONE of the following describes Pressurizer level control with 1HP-120?

- A. Selecting Pressurizer Level 2 and depressing the AUTO pushbutton on 1HP-120 are required to restore automatic control at setpoint
 - B. Manual control using 1HP-120 Bailey controller is all that is available
 - C. Selecting Pressurizer Level 2 ONLY will restore automatic control at setpoint
 - D. Additional actions are NOT required since Automatic control at setpoint is retained
-

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Question: 15
(1 point)

Given the following Unit 1 conditions:

Time = 0800:

- Reactor power = 100%
- Instrument Air pressure decreasing
- AP/22 (Loss of Instrument Air) initiated

Time = 0810:

- 1B Main Steam Line Break in containment
- Reactor Building pressure 3.2 psig slowly increasing
- Instrument Air and Auxiliary Instrument Air pressure lost

At Time = 0810...

- 1) Rule 7 (SG Feed Control) requires 1A SG to be controlled at __(1)__ inches XSUR level.
- 2) 1FDW-315 __(2)__ be operated from the Control Room.

Which ONE of the following completes the statements above?

- A. 1. 30
 2. can
 - B. 1. 30
 2. can NOT
 - C. 1. 60
 2. can
 - D. 1. 60
 2. can NOT
-

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Question: 16
(1 point)

Given the following Unit 1 conditions:

- Reactor power = 55% stable
- AP/34 (Generator Grid Disturbance) in progress
- Generator Output = 850 MWe and (+) 450 MVARs
- Generator Hydrogen Pressure = 60 psig
- Generator Frequency = 57.0 Hz

- 1) In accordance with AP/34, the Generator output __ (1) __ within the limits of the Generator Capability Curve.
- 2) Manually tripping the Main Turbine __ (2) __ required.

Which ONE of the following completes the statements above?

REFERENCE PROVIDED

- A. 1. is
 2. is
 - B. 1. is NOT
 2. is
 - C. 1. is
 2. is NOT
 - D. 1. is NOT
 2. is NOT
-

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Question: 17
(1 point)

Given the following Unit 1 conditions:

- Loss of Heat Transfer exists due to the loss of ALL FDW sources
- HPI Forced Cooling in progress
- RCS pressure = 2210 psig slowly decreasing
- Pzr Level = 380 inches increasing
- Core SCM = 56°F increasing

In accordance with Rule 6 (HPI), HPI flow __(1)__ be throttled because __(2)__.

Which ONE of the following completes the statement above?

- A. 1. may NOT
 2. CETCs are increasing
 - B. 1. may NOT
 2. RCS pressure is decreasing
 - C. 1. may
 2. CETCs are decreasing
 - D. 1. may
 2. Pzr Level is increasing
-

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Question: 18
(1 point)

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%
- 1A Main Steam Line Break occurs

Current conditions:

- Reactor has tripped
- RCS Tave = 544°F slowly increasing
- 1A SG pressure = 0 psig
- 1B SG pressure = 990 psig slowly increasing

1) The Turbine Driven Emergency Feedwater Pump (TDEFDWP) is __ (1) __.

2) The TDEFDWP can be __ (2) __ AFIS is reset.

Which ONE of the following completes the statements above?

- A. 1. operating
 2. secured ONLY after
 - B. 1. operating
 2. secured before
 - C. 1. NOT operating
 2. started ONLY after
 - D. 1. NOT operating
 2. started before
-

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Question: 19
(1 point)

Given the following Unit 1 conditions:

- Reactor power = 75% stable
- Instrument failure results in rod withdrawal
- ICS is taken to hand during Plant Transient Response (PTR)

In accordance with OMP 1-18 (Implementation Standard During Abnormal and Emergency Events)...

- 1) In order to declare the plant stable, __ (1) __ power must be less than or equal to the pre-transient level.
- 2) When inserting control rods during PTR, the criteria to stop the initial control rod insertion is when RCS pressure and Tave __ (2) __.

Which ONE of the following completes the statements above?

- A.
 1. NI
 2. stop increasing
 - B.
 1. NI
 2. return to the pre-transient values
 - C.
 1. Core Thermal
 2. stop increasing
 - D.
 1. Core Thermal
 2. return to the pre-transient values
-

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Question: 20
(1 point)

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 68% increasing

Current conditions:

- Control Rod group 6 rod 6 = 0% withdrawn

- 1) An ICS Asymmetric Rod Runback will reduce power to __ (1) __.
- 2) When an ICS Asymmetric Rod Runback is in progress, depressing the HOLD pushbutton on the LCP __ (2) __ stop the runback.

Which ONE of the following completes the statements above?

- A.
 1. 55%
 2. will
 - B.
 1. 55%
 2. will NOT
 - C.
 1. 60%
 2. will
 - D.
 1. 60%
 2. will NOT
-

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Question: 21
(1 point)

Given the following Unit 1 conditions:

Time = 1200

- Reactor shutdown in progress
- Reactor power = 58% decreasing
- Control Rod Group 7 Rod 3 mechanically bound

Time = 1215

- 1SA-2/B-10 (CRD Asymmetric Rod Position Error) actuates
- Power decrease stopped
- Reactor power = 50% stable

Time = 1415

- Reactor power = 50% stable

- 1) At Time = 1415, Control Rod Group 7 Rod 3 __ (1) __ be closer to the Group 7 average position.
- 2) If a Reactor trip occurs, Group 7 in limit __ (2) __ be indicated.

Which ONE of the following completes the statements above?

ASSUME NO OPERATOR ACTIONS

- A.
 1. will
 2. will
 - B.
 1. will NOT
 2. will
 - C.
 1. will
 2. will NOT
 - D.
 1. will NOT
 2. will NOT
-

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Question: 22

(1 point)

Given the following Unit 1 conditions:

- Reactor power = 100%
- Pressurizer level = 210 inches slowly decreasing
- 1HP-120 (RC VOLUME CONTROL) failed CLOSED
- AP/14 (Loss of Normal HPI Makeup and/or RCP Seal Injection) initiated

In accordance with AP/14...

- 1) RCS makeup is initially provided by throttling __ (1) __.
- 2) Pressurizer level is maintained at a MINIMUM of __ (2) __ inches.

Which ONE of the following completes the statements above?

- A.
 1. 1HP-26
 2. 80
 - B.
 1. 1HP-26
 2. 200
 - C.
 1. 1HP-122 (RC VOLUME CONTROL BYPASS)
 2. 80
 - D.
 1. 1HP-122 (RC VOLUME CONTROL BYPASS)
 2. 200
-

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Question: 23
(1 point)

Given the following Unit 1 conditions:

- SGTR in the 1A SG
- SGTR tab in progress
- RCS temperature = 540°F decreasing
- 1TA and 1TB are de-energized

In accordance with the SGTR tab...

- 1) Core SCM is decreased during cooldown to __ (1) __.
- 2) The method that will be used to reduce SCM is cycling __ (2) __.

Which ONE of the following completes the statements above?

- A. 1. minimize tensile stress on the 1A SG
 2. the PORV
 - B. 1. minimize tensile stress on the 1A SG
 2. Pzr spray
 - C. 1. reduce the primary to secondary leak rate
 2. the PORV
 - D. 1. reduce the primary to secondary leak rate
 2. Pzr spray
-

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Question: 24
(1 point)

Given the following Unit 1 conditions:

- AP/31 (Primary to Secondary Leakage) in progress

- 1) As a result of Primary to Secondary leakage, the Unit 1/2 Turbine Building Sump pump breakers are opened __ (1) __.
- 2) A sustained loss of power to 1RIA-54 will trip BOTH Turbine Building Sump Pumps __ (2) __.

Which ONE of the following completes the statements above?

- A.
 1. ONLY when 1RIA-54 is in alarm or inoperable
 2. after a 2 minute timer
 - B.
 1. ONLY when 1RIA-54 is in alarm or inoperable
 2. immediately
 - C.
 1. ANYTIME AP/31 (Primary to Secondary Leakage) has been initiated
 2. after a 2 minute timer
 - D.
 1. ANYTIME AP/31 (Primary to Secondary Leakage) has been initiated
 2. immediately
-

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Question: 25
(1 point)

Given the following plant conditions:

- B GWD Tank rupture occurs
- 1RIA-32 (Aux Bldg Gas) in HIGH alarm
- 1RIA-39 (Cntl Rm Gas) in HIGH alarm
- Unit 1 AP/18 (Abnormal Release of Radioactivity) has been entered

- 1) AP/18 directs starting __ (1) __ Outside Air Booster Fan(s).
- 2) The Outside Air Booster Fan(s) __ (2) __ utilize Unit 2 Main Purge Filters.

Which ONE of the following completes the statements above?

- A. 1. ONLY one
 2. will
- B. 1. two
 2. will
- C. 1. ONLY one
 2. will NOT
- D. 1. two
 2. will NOT
-

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Question: 26
(1 point)

Given the following Unit 1 conditions:

Time = 0800:

- Reactor power = 25%
- 1A Main Feedwater Pump is operating
- 1SA-2/B-11 (ICS AUTO POWER FAILURE) actuated
- AP/23 (Loss of ICS Power) initiated

Time = 0805:

- Reactor trips

AP/23 (Loss of ICS Power)...

1) __ (1) __ require manual tripping of the 1A Main Feedwater Pump.

2) directs using __ (2) __ to control decay heat removal.

Which ONE of the following completes the statements above?

- A. 1. does NOT
 2. ADVs
 - B. 1. does
 2. ADVs
 - C. 1. does NOT
 2. TBVs
 - D. 1. does
 2. TBVs
-

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Question: 27
(1 point)

Given the following Unit 1 conditions:

Time = 0800

- Reactor trip
- SBLOCA
- ES 1-6 actuate
- CT-1 Lockout

- 1) 60 seconds later, Main FDW Pumps __(1)__ AUTOMATICALLY tripped.
- 2) In accordance with Rule 2 (Loss of SCM), an initial EFDW flow rate of __(2)__ gpm per SG is established to remove decay heat.

Which ONE of the following completes the statements above?

- A.
 1. have
 2. 300
 - B.
 1. have NOT
 2. 300
 - C.
 1. have
 2. 450
 - D.
 1. have NOT
 2. 450
-

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Question: 28
(1 point)

Unit 1 plant conditions:

Time = 0800: MFBMP Circuitry Actuated

Time = 0802: Power is restored to the MFBs

- 1) The normal power supply to the 1A CC pump is __ (1) __.
- 2) CC pumps with their control switches in AUTO will start __ (2) __ after power is restored.

Which ONE of the following completes the statements above?

- A.
 1. 1XL
 2. immediately
 - B.
 1. 1XL
 2. 20 seconds
 - C.
 1. 1XS1
 2. immediately
 - D.
 1. 1XS1
 2. 20 seconds
-

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Question: 29
(1 point)

Given the following Unit 1 conditions:

Time = 0800

- Reactor power = 100%
- MSLB inside containment occurs
- RCS pressure = 1575 psig

Time = 0805

- RCS pressure = 1800 psig increasing
- The BOP is performing Encl 5.1 (ES Actuation)

- 1) At Time = 0800, Diverse HPI __ (1) __ AUTOMATICALLY actuated.
- 2) ES Channels 1 & 2 MANUAL Pushbuttons __ (2) __ have to be depressed prior to throttling HPI.

Which ONE of the following completes the statements above?

- A.
 1. has
 2. do
 - B.
 1. has
 2. do NOT
 - C.
 1. has NOT
 2. do
 - D.
 1. has NOT
 2. do NOT
-

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Question: 30

(1 point)

Given the following Unit 3 conditions:

- Reactor power = 100%
- 3A Purification IX in service
- Letdown temperature increases by 5°F

- 1) With no operator actions, the RCS boron concentration over the next several hours will __(1)__ due to the letdown temperature increase.
- 2) With control rods responding, assuming no other operator actions, taking ONLY the ICS Reactor Bailey station to HAND __(2)__ stop the rod motion.

Which ONE of the following completes the statements above?

- A.
 1. increase
 2. will
 - B.
 1. increase
 2. will NOT
 - C.
 1. decrease
 2. will
 - D.
 1. decrease
 2. will NOT
-

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Question: 31
(1 point)

Given the following Unit 1 conditions:

- Reactor power = 100%
- 1TE bus lockout occurs

Which ONE of the following contains ONLY pumps that are still being powered from 4160V switchgear?

- A. 1B HPIP, 1B LPIP
 - B. 1B HPIP, 1C LPIP
 - C. 1C HPIP, 1B LPIP
 - D. 1C HPIP, 1C LPIP
-

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Question: 32
(1 point)

Given the following Unit 1 conditions:

Time = 0400

- Reactor power = 100%

Time = 0405

- RCS pressure = 550 psig decreasing

Time = 0445

- RCS pressure = 200 psig decreasing

Time = 0450

- RCS pressure = 100 psig decreasing
- 1LP-17 is failed CLOSED

- 1) In accordance with OMP 1-18 Attachment A (Licensed Operator Memory Items), the LATEST time the LPI pumps are required to be secured is __(1)___.
- 2) At Time = 0450, LPI flow __(2)___ entering the core through BOTH LPI injection nozzles.

Which ONE of the following completes the statements above?

- A.
 1. 0425
 2. is NOT
 - B.
 1. 0425
 2. is
 - C.
 1. 0435
 2. is NOT
 - D.
 1. 0435
 2. is
-

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Question: 33
(1 point)

Given the following Unit 2 conditions:

- Reactor power = 100%
- Quench Tank is being pumped to 2A BHUT using the Quench Tank Pump AND the Component Drain Pump

1) OP/2/A/1104/017 (Quench Tank Operations) requires Quench Tank Level to be maintained at a MAXIMUM of __ (1) __ inches.

2) If ES 1 and 2 actuate, this flow path __ (2) __ automatically isolate.

Which ONE of the following completes the statements above?

- A. 1. 90
 2. will
 - B. 1. 90
 2. will NOT
 - C. 1. 100
 2. will
 - D. 1. 100
 2. will NOT
-

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Question: 34
(1 point)

Given the following Unit 1 conditions:

Time = 0400:

- Reactor power = 100%
- Component Cooling Return Flow = 563 gpm decreasing
- 1SA-09/C-1 (Component Cooling Return Flow Low) actuates

Time = 0402:

- Component Cooling Return Flow = 103 gpm decreasing
- The Standby CC pump has NOT started
- CC Surge Tank level = 18 inches stable

- 1) At Time = 0400, Statalarm 1SA-09/C-1 __ (1) __ valid.
- 2) At Time = 0402, 1SA-09/C-1 ARG __ (2) __ direct manually starting the Standby CC pump.

Which ONE of the following completes the statements above?

- A.
 1. is
 2. will
 - B.
 1. is
 2. will NOT
 - C.
 1. is NOT
 2. will
 - D.
 1. is NOT
 2. will NOT
-

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Question: 35
(1 point)

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%
- 1RC-1 failed OPEN
- RCS pressure = 2150 psig decreasing
- AP/44 (Abnormal Pressurizer Pressure Control) initiated

Current conditions:

- 1RC-3 failed OPEN

- 1) Pressurizer heaters __(1)__ be able to maintain RCS pressure above the RPS trip setpoint.
- 2) AP/44 will initially direct stopping the __(2)__ to help mitigate the failure.

Which ONE of the following completes the statements above?

- A.
 1. will
 2. 1A1 RCP ONLY
 - B.
 1. will
 2. 1A1 and 1A2 RCPs
 - C.
 1. will NOT
 2. 1A1 RCP ONLY
 - D.
 1. will NOT
 2. 1A1 and 1A2 RCPs
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 36
(1 point)

The DNBR Safety Limit is applicable in MODE(s) __ (1) __ .

The __ (2) __ RPS trip is designated to prevent exceeding the DNBR AND the fuel center line melt Safety Limit.

Which ONE of the following completes the statement above?

- A. 1. one ONLY
 2. High Flux
 - B. 1. one ONLY
 2. High RCS Temperature
 - C. 1. one AND two
 2. High Flux
 - D. 1. one AND two
 2. High RCS Temperature
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 37
(1 point)

Given the following Unit 1 conditions:

- RCS cooldown in progress
- RCS pressure = 1730 psig slowly decreasing

- 1) 1SA-7/D-6 (ES HPI Bypass Permit) __ (1) __ actuated.
- 2) Once bypassed, HPI ES __ (2) __ AUTOMATICALLY reinstate when RCS pressure is returned to normal operating pressure.

Which ONE of the following completes the statements above?

- A.
 1. is
 2. does
 - B.
 1. is
 2. does NOT
 - C.
 1. is NOT
 2. does
 - D.
 1. is NOT
 2. does NOT
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 38
(1 point)

Given the following Unit 1 conditions:

Time = 0500:

- Reactor power = 25% stable
- 1A and 1C RBCUs operating in HIGH speed
- 1B RBCU is operable and OFF

Time = 0501:

- A LOCA occurs
- ES channels 1-5 actuate
- ES channel 6 fails to actuate
- A LOOP occurs

Time = 0505:

- Offsite power is restored to Unit 1

At Time = 0506, 1C RBCU is __ (1) __ and 1B RBCU is __ (2) __.

Which ONE of the following completes the statement above?

- A. 1. OFF
 2. OFF
 - B. 1. OFF
 2. operating in LOW speed
 - C. 1. operating in LOW speed
 2. OFF
 - D. 1. operating in LOW speed
 2. operating in LOW speed
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 39
(1 point)

Following a Large Break LOCA, __(1)__ is added to the Reactor Building Emergency Sump to __(2)__.

Which ONE of the following completes the statement above?

- A. 1. LiOH (Lithium Hydroxide)
 2. aid in keeping Iodine in solution, ultimately reducing offsite dose
 - B. 1. LiOH (Lithium Hydroxide)
 2. minimize Hydrogen production from the Boric Acid reaction with Zircoloy
 - C. 1. TSP (Trisodium Phosphate Dodecahydrate)
 2. aid in keeping Iodine in solution, ultimately reducing offsite dose
 - D. 1. TSP (Trisodium Phosphate Dodecahydrate)
 2. minimize Hydrogen production from the Boric Acid reaction with Zircoloy
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 40
(1 point)

- 1) The actual SETPOINT for Reactor Building Spray actuation is __ (1) __ psig.
- 2) The 1BS-2 position if ES Channel 8 fails to actuate is __ (2) __.

Which ONE of the following completes the statements above?

- A. 1. 10
 2. Closed
 - B. 1. 10
 2. Open
 - C. 1. 15
 2. Closed
 - D. 1. 15
 2. Open
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 41
(1 point)

Given the following plant conditions:

Time = 1200

- Unit 2 Reactor power = 75%
- Reactor Diamond, BOTH FDW masters, and the Main and Startup FDW valves are in HAND

Time = 1215

- Reactor trip occurs

- 1) At Time = 1200, the normal steam supply to the Unit 2 Main Feedwater Pump Turbines is __ (1) __.
- 2) At Time = 1215, runback of Main Feedwater flow __ (2) __ occur AUTOMATICALLY.

Which ONE of the following completes the statements above?

- A.
 1. D Bleed
 2. will
 - B.
 1. D Bleed
 2. will NOT
 - C.
 1. Auxiliary Steam
 2. will
 - D.
 1. Auxiliary Steam
 2. will NOT
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 42
(1 point)

In accordance with Limits and Precautions of OP/1/A/1106/014 (Moisture Separator Reheater), the MAXIMUM allowed side to side delta Temperature across the Low Pressure Turbines during normal operation is __ (1) __ degrees F, and we ensure this limit is not exceeded by throttling valves controlling the steam supply to the __ (2) __ as power level changes.

Which ONE of the following completes the statement above?

- A. 1. 50
 2. First Stage Reheaters
 - B. 1. 50
 2. Second Stage Reheaters
 - C. 1. 100
 2. First Stage Reheaters
 - D. 1. 100
 2. Second Stage Reheaters
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 43
(1 point)

Given the following Unit 1 conditions:

- Reactor power = 80% stable
- Reactor Diamond and both Feedwater masters are in HAND
- Feedwater Transient occurs which results in one of the Main Feedwater Pumps tripping on High Discharge Pressure

- 1) The Main Feedwater Pump with the LOWER Discharge Pressure trip setpoint is the ___(1)___ Main Feedwater Pump.
- 2) AP/1 (Unit Runback) states that you are to initiate a manual power reduction to ___(2)___% CTP.

Which ONE of the following completes the statements above?

- A.
 1. 1A
 2. ≤ 65
 - B.
 1. 1A
 2. ≤ 74
 - C.
 1. 1B
 2. ≤ 65
 - D.
 1. 1B
 2. ≤ 74
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 44
(1 point)

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%
- Two AFIS pressure transmitters on 1A SG fail high

Current conditions:

- 1A Main Steam Line break occurs
- 1A SG pressure = 480 psig rapidly decreasing

- 1) AFIS __ (1) __ AUTOMATICALLY actuated.
- 2) Rule 5 (Main Steam Line Break) requires the operator to __ (2) __.

Which ONE of the following completes the statements above?

- A. 1. is
 2. select OFF for 1A MD EFDW Pump
- B. 1. is
 2. open 1AS-40 while closing 1MS-47
- C. 1. is NOT
 2. select OFF for 1A MD EFDW Pump
- D. 1. is NOT
 2. open 1AS-40 while closing 1MS-47
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 45
(1 point)

Given the following Unit 1 conditions:

- Reactor power = 100%
- Confirmed flooding of the Turbine Building is in progress

- 1) The EOP TBF tab __ (1) __ state that AP/10 (Turbine Building Flood) is being used in parallel with this tab.
- 2) When performing AP/10, __ (2) __ Feedwater is required to be used as the long term source of water to the Steam Generators.

Which ONE of the following completes the statements above?

- A.
 1. does
 2. Emergency
 - B.
 1. does
 2. Main
 - C.
 1. does NOT
 2. Emergency
 - D.
 1. does NOT
 2. Main
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 46
(1 point)

- 1) Automatic control circuits will close the associated feeder breakers of 1X7, 2X4 & 3X4 after a load shed has occurred and a __(1)__ second timer has timed out.
- 2) The feeder breakers above will trip open on receipt of a MINIMUM of __(2)__.

Which ONE of the following completes the statements above?

- A.
 1. 30
 2. BOTH channel A and channel B Load Shed signals
 - B.
 1. 30
 2. EITHER channel A or channel B Load Shed signal
 - C.
 1. 60
 2. BOTH channel A and channel B Load Shed signals
 - D.
 1. 60
 2. EITHER channel A or channel B Load Shed signal
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 47
(1 point)

Given the following station conditions:

Initial conditions:

- All three units Reactor power = 100%

Current conditions:

- All Unit's 4160V Main Feeder Busses are de-energized
- Unit 1, 2, and 3 EOP Blackout tabs in progress

Which ONE of the following describes the required status of Unit 1 Essential Inverters per EOP Enclosure 5.38 (Restoration of Power) and why?

Unit 1's Essential Inverters _____.

- A. remain energized to provide power to ES channels
 - B. remain energized to provide control power to 4160V Switchgear
 - C. are de-energized to extend the life of available batteries
 - D. are de-energized to prevent inverter damage
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 48
(1 point)

Given the following plant conditions:

- 3CA Battery Charger fails - output voltage = 0 VDC
- 3CA Battery voltage = 120 VDC
- 3DCB Bus voltage = 123 VDC
- Unit 1 DCA/DCB Bus voltage = 125 VDC
- Unit 2 DCA/DCB Bus voltage = 127 VDC

Which ONE of the following will automatically supply power to 3DIA panelboard?

- A. 3CA Battery
 - B. 3DCB Bus
 - C. Unit 1 DC Bus
 - D. Unit 2 DC Bus
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 49
(1 point)

Given the following plant conditions:

Time = 1200

- All three units at 50% power
- ACB-3 is closed

Time = 1245

- LOCA occurs on Unit 1
- ES channels 1 and 2 actuate on Unit 1
- CT-1 lockout occurs

At Time = 1250, KHU 1 control power is supplied by _____.

Which ONE of the following completes the statement above?

- A. CX Transformer from Keowee Unit 1
 - B. 1X Transformer from Keowee Unit 1
 - C. CX Transformer from Keowee Unit 2
 - D. 1X Transformer from 230 KV Switchyard
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 50
(1 point)

Given the following Unit 1 conditions:

Time = 1200

- Reactor power = 100%
- ACB-4 Closed
- Large Break LOCA occurs coincident with a total loss of offsite power

Time = 1205

- Keowee Hydro Unit (KHU)-2 Emergency Lockout occurs

At Time = 1210 the __ (1) __ power path is being used to supply Unit 1 ECCS systems and __ (2) __ LPI pumps are operating.

Which ONE of the following completes the statements above?

ASSUME NO OPERATOR ACTIONS

- A. 1. Overhead
 2. ALL 3
 - B. 1. Overhead
 2. ONLY 2
 - C. 1. Underground
 2. ALL 3
 - D. 1. Underground
 2. ONLY 2
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 51
(1 point)

Given the following Unit 1 conditions:

Time = 1200

- Unit 1 startup in progress
- RB Purge in progress
- RB activity levels are increasing

Time = 1215

- 1RIA-45 (Norm Vent Gas) found out of service with power available

- 1) AUTOMATIC termination of RB Purge operation __ (1) __ close 1PR-1 and 1PR-6.
- 2) At Time = 1215, AUTOMATIC termination of RB Purge due to increasing RB activity __ (2) __ available.

Which ONE of the following completes the statements above?

- A.
 1. does
 2. is
 - B.
 1. does
 2. is NOT
 - C.
 1. does NOT
 2. is
 - D.
 1. does NOT
 2. is NOT
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 52
(1 point)

Given the following plant conditions:

Time = 1200

- Spent Fuel Pool level = 0.1 foot stable

Time = 1215

- Spent Fuel Pool level = -3.4 feet decreasing
- 1RIA-6 (Spent Fuel Pool Area Monitor) in HIGH alarm
- 1RIA-41 (Spent Fuel Pool Building Gas) in HIGH alarm

Time = 1216

- An AO is being dispatched to the SFP area to investigate the cause.
- The AO's dose for this year is 525 mrem
- The AO has NOT received a dose extension for this year

Which ONE of the following is the MAXIMUM TEDE dose (mrem) allowed for the AO while performing the assigned task?

- A. 1475
 - B. 4475
 - C. 5,000
 - D. 10,000
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 53
(1 point)

Given the following Unit 3 conditions:

Time = 1200

- Reactor power = 100%
- 3A Letdown cooler tube leak rate = 0.1 gpm

Time = 1230

- 3A Letdown cooler tube leak rate = 5.0 gpm

- 1) An increase in LPSW flow to the Component Coolers __ (1) __ required to maintain 3A Letdown Cooler Component Cooling outlet temperature constant from 1200-1230.
- 2) The MINIMUM RCS letdown temperature that will result in an AUTOMATIC isolation of letdown is __ (2) __ °F.

Which ONE of the following completes the statements above?

- A.
 1. is
 2. 130
 - B.
 1. is
 2. 135
 - C.
 1. is NOT
 2. 130
 - D.
 1. is NOT
 2. 135
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 54

(1 point)

Given the following plant conditions:

Time = 0400:

- Backup IA Compressors in STBY1
- Primary IA Compressor tripped

Time = 0405:

- Instrument Air pressure = 91 psig decreasing

At Time = 0405...

1) Auxiliary IA Compressors are __ (1) __.

2) Backup IA Compressors are __ (2) __.

Which ONE of the following completes the statements above?

ASSUME NO OPERATOR ACTIONS

- A. 1. Operating
 2. OFF
 - B. 1. OFF
 2. OFF
 - C. 1. Operating
 2. Operating
 - D. 1. OFF
 2. Operating
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 55
(1 point)

Given the following Unit 1 conditions:

Time = 1200

- Reactor in MODE 5
- RCS Loops dropped
- Pressurizer level = 340 inches stable
- RB Purge in progress
- Reactor Building Normal Sump is being pumped

Time = 1205

- 1RIA-48 (Reactor Building Iodine) in HIGH alarm
- 1RIA-49 (Reactor Building Gas) in HIGH alarm

- 1) The Containment Evacuation alarm __ (1) __ AUTOMATICALLY actuate.
- 2) __ (2) __ will provide guidance to complete the system isolation initiated by 1RIA-49.

Which ONE of the following completes the statements above?

- A. 1. will
 2. OP/1/A/1104/007 (LWD System)
- B. 1. will
 2. OP/1/A/1102/014 (RB Purge)
- C. 1. will NOT
 2. OP/1/A/1104/007 (LWD System)
- D. 1. will NOT
 2. OP/1/A/1102/014 (RB Purge)
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 56
(1 point)

Which ONE of the following describes ALL of the MCCs which supply power to Unit 1's Control Rod Drive System?

- A. 1X9 and 2X2
 - B. 1X9 and 2X1
 - C. 1X1 and 2X9
 - D. 1X1 and 3X9
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 57
(1 point)

Given the following Unit 1 conditions:

- Reactor in MODE 5
- Reactor Vessel level = 80 inches stable
- Reactor Vessel Cold Leg Ultrasonic level NOT available

- 1) In accordance with SD 1.3.5 (Shutdown Protection Plan), reducing the reactor vessel level to 40 inches __ (1) __ allowed.
- 2) Improper venting of the RCS results in RCS pressure greater than Containment pressure and LT-5 readings that are __ (2) __ than actual.

Which ONE of the following completes the statements above?

- A.
 1. is
 2. greater
 - B.
 1. is
 2. less
 - C.
 1. is NOT
 2. greater
 - D.
 1. is NOT
 2. less
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 58
(1 point)

Given the following Unit 1 conditions:

Time = 1200

- Plant is stable following a Reactor trip
- Pressurizer (Pzr) level = 100 inches stable

Time = 1230

- 1HP-120 fails closed
- Pressurizer level begins decreasing at 1 inch per minute

- 1) Assuming no operator actions, the EARLIEST time that Pzr heaters will become unavailable is __ (1) __.
- 2) Based on the conditions above, AP/14 (Loss of Normal HPI Makeup And/Or RCP Seal Injection) __ (2) __ direct closing 1HP-5 while 1HP-120 is being repaired.

Which ONE of the following completes the statements above?

- A. 1. 1245
 2. will
 - B. 1. 1245
 2. will NOT
 - C. 1. 1250
 2. will
 - D. 1. 1250
 2. will NOT
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 59
(1 point)

Given the following Unit 1 conditions:

- Main Steam Line Break on the 1A Steam Generator
- Reactor Building pressure = 6.3 psig slowly decreasing
- Indicated 1B SG XSUR level = 75 inches decreasing
- ALL Subcooling Margins = 65°F stable

- 1) Currently, actual 1B SG level is __ (1) __ indicated XSUR level.
- 2) 1B SG level __ (2) __ AUTOMATICALLY be controlled at the desired level in accordance with Rule 7 (SG Feed Control).

Which ONE of the following completes the statements above?

- A.
 1. lower than
 2. will
 - B.
 1. lower than
 2. will NOT
 - C.
 1. approximately the same as
 2. will
 - D.
 1. approximately the same as
 2. will NOT
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 60
(1 point)

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%

Current conditions:

- Condenser vacuum = 18.5 inches Hg stable
- 1TB de-energized

Which ONE of the following is the Steam Generator level that will be automatically maintained?

- A. 25 inches Startup Range
 - B. 30 inches XSUR
 - C. 50% Operating Range
 - D. 240 inches XSUR
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 61
(1 point)

Given the following Unit 1 conditions:

Time = 0800:

- Reactor power = 27% stable
- Main Condenser vacuum = 22 inches Hg and degrading

Time = 0810:

- Main Condenser vacuum = 20 inches Hg and degrading

- 1) The EARLIEST time stated above that AP/27 (Loss of Condenser Vacuum) would direct a MANUAL trip of the Main Turbine is __ (1) __.
- 2) After the Main Turbine has been tripped, ICS will maintain Tave at approximately __ (2) __ degrees F.

Which ONE of the following completes the statements above?

- A.
 1. 0800
 2. 555
 - B.
 1. 0800
 2. 579
 - C.
 1. 0810
 2. 555
 - D.
 1. 0810
 2. 579
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 62
(1 point)

Given the following Unit 1 conditions:

- Reactor power = 35% stable
- Air Ejector off-gas activity increasing

In accordance with AP/31 (Primary to Secondary Leakage)...

- 1) 1RIA-59 and 1RIA-60 __ (1) __ be used to determine which SG has the tube leak.
- 2) 1RIA-40 __ (2) __ be used to determine Primary to Secondary leak rate.

Which ONE of the following completes the statements above?

- A. 1. can
 2. can
 - B. 1. can
 2. can NOT
 - C. 1. can NOT
 2. can
 - D. 1. can NOT
 2. can NOT
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 63
(1 point)

The Limits and Precautions of OP/1-2/A/1104/018 (GWD System) state:

- 1) An isolated GWD tank must be sampled for Hydrogen within __(1)__ hours of isolation.
- 2) If GWD tank Hydrogen concentration $> 3\%$ but $\leq 4\%$ volume, concentration must be reduced to $\leq 3\%$ within __(2)__ hours.

Which ONE of the following completes the statements above?

- A. 1. 24
 2. 24
 - B. 1. 24
 2. 48
 - C. 1. 48
 2. 24
 - D. 1. 48
 2. 48
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 64
(1 point)

Given the following Unit 1 conditions:

- Reactor power = 100%
- Instrument Air (IA) header pressure = 89 psig decreasing

- 1) Unit __ (1) __ AP/22 (Loss of Instrument Air) directs dispatching an operator to perform Encl. 5.4 (Emergency Start of the Diesel Air Compressors).
- 2) IF IA header pressure reaches 85 psig the Service Air compressors will __ (2) __ the instrument air header.

Which ONE of the following completes the statements above?

- A.
 1. one
 2. manually be aligned to
 - B.
 1. two
 2. manually be aligned to
 - C.
 1. one
 2. automatically begin to supply
 - D.
 1. two
 2. automatically begin to supply
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 65
(1 point)

Given the following Unit 1 conditions:

- Reactor power = 100%
- An Active fire has been reported in 1TD switchgear

- 1) De-energizing 1TD switchgear will result in a loss of the __ (1) __ Motor Driven Emergency Feedwater Pump.
- 2) In accordance with the "Fire Plan", the above 1TD switchgear __ (2) __ REQUIRED to be de-energized prior to application of water using a fog pattern.

Which ONE of the following completes the statements above?

- A.
 1. 1A
 2. is NOT
 - B.
 1. 1A
 2. is
 - C.
 1. 1B
 2. is NOT
 - D.
 1. 1B
 2. is
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 66
(1 point)

Given the following conditions:

- As an extra RO on shift, you have been assigned to escort visitors

- 1) The MAXIMUM number of visitors you can escort into a Vital Area is __ (1) __.
- 2) If a Site Assembly occurs while you are in a Vital Area with visitors, the public address performed per RP/0/A/1000/009 (Procedure for Site Assembly) will direct you to assemble at your location __ (2) __.

Which ONE of the following completes the statements above?

- A.
 1. 5
 2. once you have returned the visitors to Security at the PAP
 - B.
 1. 5
 2. immediately, taking the visitors with you
 - C.
 1. 10
 2. once you have returned the visitors to Security at the PAP
 - D.
 1. 10
 2. immediately, taking the visitors with you
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 67
(1 point)

Given the following Unit 3 conditions:

- Reactor in MODE 6
- Refueling in progress
- All SR NIs are operable

While refueling the reactor in accordance with OP/3/A/1502/007 (Operations Defueling/Refueling Responsibilities)...

1) __ (1) __ source range NI(s) is/are required.

2) The required NI(s) __ (2) __.

Which ONE of the following completes the statements above?

- A. 1. two
 2. can be chosen by a Reactor Operator
 - B. 1. two
 2. must be specified by Reactor Engineering
 - C. 1. one
 2. can be chosen by a Reactor Operator
 - D. 1. one
 2. must be specified by Reactor Engineering
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 68
(1 point)

Given the following Unit 1 condition:

- Reactor in MODE 1

Which ONE of the following is the MINIMUM Pressurizer level (inches) that would require declaring Tech Spec 3.4.9 (Pressurizer) LCO NOT met in accordance with PT/1/A/0600/001 (Periodic Instrument Surveillance)?

- A. 240
 - B. 260
 - C. 285
 - D. 340
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 69
(1 point)

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%

Current conditions:

- Keowee Emergency Start channels 1 and 2 inoperable

- 1) In accordance with Tech Spec 3.3.21 (EPSL Keowee Emergency Start Function), the MAXIMUM time allowed to declare both KHU's inoperable is __ (1) __.
- 2) In accordance with Tech Spec 3.8.1 (AC Systems-Operating), __ (2) __ Standby Bus(es) is/are required to be energized from a Lee Combustion Turbine via an isolated power path.

Which ONE of the following completes the statements above?

- A.
 1. immediately
 2. BOTH
 - B.
 1. 1 hour
 2. BOTH
 - C.
 1. immediately
 2. only ONE
 - D.
 1. 1 hour
 2. only ONE
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 70
(1 point)

Given the following Unit 3 conditions:

- 3A GWD gas tank release in progress
- Release is at 2/3 Station Limit

- 1) 3RIA-45 (Norm Vent Gas) High and Alert setpoints will be set at __ (1) __ the normal 1/3 Station Limit setpoint in accordance with PT/0/A/0230/001 (Radiation Monitor Check).
- 2) If 3RIA-45 (Norm Vent Gas) High alarm setpoint is reached, the 3A GWD gas tank release __ (2) __ automatically terminate.

Which ONE of the following completes the statements above?

- A.
 1. double
 2. will
 - B.
 1. double
 2. will NOT
 - C.
 1. half
 2. will
 - D.
 1. half
 2. will NOT
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 71
(1 point)

Given the following Unit 1 conditions:

- 36 gpm primary to secondary leak in 1A SG
- RCS cooldown in progress
- RCS temperature = 395°F decreasing
- The SRO has determined that current method of maintaining SCM is inadequate

- 1) The reason that the SGTR tab makes every effort to prevent a Reactor trip during shutdown is to minimize the chance of __ (1) __.
- 2) If an operator is dispatched to align Auxiliary Pressurizer Spray during the subsequent RCS cooldown and receives a dose alarm while performing this task, per OMP 1-18 (Implementation Standard During Abnormal and Emergency Events) they __ (2) __.

Which ONE of the following completes the statements above?

- A.
 1. lifting the MSRVs and causing a radiation release to the environment
 2. may complete the task while monitoring their dose
 - B.
 1. lifting the MSRVs and causing a radiation release to the environment
 2. must immediately stop and leave the area
 - C.
 1. RCS pressure transients and causing the Primary to Secondary leak rate to increase
 2. may complete the task while monitoring their dose
 - D.
 1. RCS pressure transients and causing the Primary to Secondary leak rate to increase
 2. must immediately stop and leave the area
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 72
(1 point)

In accordance with PD-RP-ALL-0001 (Radiation Worker Responsibilities), which ONE of the following states...

- 1) the MAXIMUM annual Dose Limit (REM) allowed by the NRC?
 - 2) the MAXIMUM lifetime Planned Special Exposure limit (REM) allowed by the NRC?
- A. 1. 5
 2. 25
- B. 1. 5
 2. 50
- C. 1. 2
 2. 25
- D. 1. 2
 2. 50
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 73
(1 point)

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 90% slowly decreasing
- SG Primary to Secondary leak rate = 6 gpm stable
- AP/31 (Primary to Secondary Leakage) in progress
- Unit shutdown in progress

Current conditions:

- Reactor power = 60% slowly decreasing
- SG Primary to Secondary leak rate = 28 gpm slowly increasing

Which ONE of the following describes the actions required in accordance with plant procedures?

- A. Continue unit shutdown using AP/31
 - B. Exit AP/31 and go directly to SGTR tab
 - C. Exit AP/31, perform IMA's, then go to SGTR tab
 - D. Perform AP/31 in parallel with performing the SGTR tab
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 74
(1 point)

Given the following Unit 1 conditions:

- Reactor tripped from 100% power
- The following Statalarms actuate:
 - 1SA-1/C-11 (ES Channel 7 Trip)
 - 1SA-1/D-11 (ES Channel 8 Trip)
 - 1SA-2/C-4 (RC Pressurizer Level Emerg High/Low)
 - 1SA-2/C-8 (AFIS Header A Initiated)
 - 1SA-2/D-5 (HP LDST Level Interlock Initiated)
 - 1SA-8/A-3 (FDWPT A Trip)
 - 1SA-8/A-6 (FDWPT B Trip)

Which ONE of the following emergency procedures has the highest priority?

- A. EOP Enclosure 5.1 (ES Actuation)
 - B. Rule 5 (Main Steam Line Break)
 - C. EOP Enclosure 5.5 (Pzr and LDST Level Control)
 - D. Rule 3 (Loss of Main or Emergency Feedwater)
-

Oconee Nuclear Station

ILT48 ONS RO NRC Examination

Question: 75
(1 point)

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%
- Both Main Feedwater pumps trip

Current conditions:

- REACTOR TRIP pushbutton has been depressed
- Reactor power = 3% slowly decreasing

Which ONE of the following describes the NEXT action required in accordance with EOP Immediate Manual Actions?

- A. Perform Rule 1
 - B. Verify all turbine stop valves closed
 - C. Verify RCP seal injection available
 - D. Depress the Turbine TRIP pushbutton
-

Examination KEY for: ILT48 ONS RO NRC Examina

<i>Question Number</i>	<i>Answer</i>
1	B
2	D
3	B
4	D
5	D
6	A
7	B
8	B
9	B
10	A
11	C
12	A
13	A
14	B
15	C
16	A
17	C
18	D
19	C
20	A
21	A
22	B
23	C
24	B
25	D

Examination KEY for: ILT48 ONS RO NRC Examina

<i>Question Number</i>	<i>Answer</i>
26	D
27	B
28	A
29	C
30	B
31	C
32	D
33	A
34	A
35	D
36	C
37	C
38	A
39	C
40	A
41	A
42	B
43	C
44	A
45	A
46	D
47	C
48	C
49	A
50	B

Examination KEY for: ILT48 ONS RO NRC Examina

<i>Question Number</i>	<i>Answer</i>
51	C
52	C
53	B
54	D
55	A
56	B
57	C
58	D
59	B
60	B
61	B
62	C
63	B
64	D
65	A
66	B
67	B
68	B
69	A
70	B
71	A
72	A
73	B
74	B
75	D

OCONEE 2015-302 RO Written Exam References

1. Question 10: EP/1/A/1800/001 Enclosure 5.21, "Full Range SG Level For Water In Steam Lines."
2. Question 16: AP/1/A/1700/034 Enclosure 5.1, "Generator Capability Curve."