

1. (IRI-07-Q) The BFP's 1, 2, 4 and 5 have recirculation valves an alarm will sound if the flow drops below _____ pounds per hour.
 - A. 45,000
 - B. 40,000
 - C. 35,000
 - D. 30,000

2. (IRI-07-Q) Unit 7 BFP's capacity is _____ gpm.
 - A. 364
 - B. 306
 - C. 370
 - D. 264

3. (IRI-07-Q) There are six (6) feedwater heater in the Feedwater System, three (3) heat feedwater by steam and three (3) use _____.
 - A. Hot water
 - B. Electricity
 - C. Flue gas
 - D. Shell and tube heat exchanger

4. (IRI-07-Q) In Single Element control the Feedwater Regulator is looking at:
 - A. Steam flow
 - B. Feedwater flow
 - C. Condensate flow
 - D. Drum level

5. (IRI-07-Q) Feedwater header pressure low alarm is _____ psi.
 - A. 520
 - B. 700
 - C. 600
 - D. 550

6. (IRI-07-Q) BFP 3's motor voltage is:
 - A. 480 volts
 - B. 240 volts
 - C. Has no voltage is steam driven
 - D. 4160 volts

7. (IRI-07-Q) Motor and pump bearings with an oil cup should have an oil level about _____ inch from the top of the cup.
- A. 1/2 to 3/4
 - B. 1/8 to 1/4
 - C. 1/16 to 1/8
 - D. 1/8 to 1/2
8. (IRI-07-Q) The Feedwater Header pressure should between _____ and _____ psi.
- A. 800 and 1000
 - B. 300 and 600
 - C. 450 and 500
 - D. 600 and 700
9. (IRI-07-Q) BFP 3 will start if Feedwater Header pressure drops to _____ psi.
- A. 500
 - B. 600
 - C. 700
 - D. 520
10. (IRI-07-Q) BFP 73's motor voltage is:
- A. 480 volts
 - B. 240 volts
 - C. Has no voltage is steam driven
 - D. 4160 volts
11. (IRI-07-Q) The BFP's are all _____ pumps.
- A. Positive displacement
 - B. Screw
 - C. Centrifugal
 - D. Piston
12. (IRI-07-Q) The BFP's 1-5 and 71-73 have recirculation valves, which recirculates to:
- A. Condenser
 - B. Boiler drum
 - C. Deaerator
 - D. BFP suction line

13. (IRI-07-Q) The BFP's supply water to the boiler drums and also:
- A. Condensate Storage
 - B. Desuperheater and Superheat sprays
 - C. Demineralizer Storage
 - D. Shell side of HP heaters
14. (IRI-07-Q) The Feedwater Regulation valve uses _____ elements to control feedwater flow to the drum.
- A. Single
 - B. Two (2)
 - C. Four (4)
 - D. Three (3)
15. (IRI-07-Q) The BFP recirculation flow is routed through a manual block valve, air-operated valve and _____.
- A. Orifice
 - B. Solenoid
 - C. Venturi
 - D. TCV
16. (IRI-07-Q) The BFP's 81-83 have recirculation valve, which recirculates to:
- A. Condenser
 - B. Boiler drum
 - C. Condensate inlet of the Deaerator
 - D. BFP suction
17. (IRI-07-Q) BFP 82 has a capacity of _____ gpm.
- A. 400
 - B. 350
 - C. 370
 - D. 264
18. (IRI-07-Q) Steam to the HP Heaters can come from the 165 pound steam header or _____.
- A. 465 pound header
 - B. Turbine extraction
 - C. Turbine inlet steam
 - D. Boiler outlet steam

19. (IRI-07-Q) The HP Heaters are shell and tube, _____ type heaters.
- A. Straight through
 - B. U-tube
 - C. Single pass
 - D. Three pass
20. (IRI-07-Q) The Feedwater inlet temperature to HP Heater 7 is _____ degrees Fahrenheit.
- A. 120
 - B. 240
 - C. 300
 - D. 220