

Quiz 06

1. A cast-iron boiler advantage is:

- a. its high factor of brittleness
- b. light weight resulting in lesser foundation requirements
- c. its ability to withstand high pressure
- d. the choice of assembly location
- e. their large capacity

2. A cast-iron boiler disadvantage is:

- a. it is subject to corrosion
- b. its difficult assembly
- c. its extremely high cost
- d. its high ductility
- e. its pressure limitations

3. Boiler sections are held together with:

- a. cap bolts
- b. torque tubes
- c. pipe unions
- d. tie rods
- e. stays

4. Cast-iron boiler capacity:

- a. is very large compared to steel boilers
- b. can be increased by simply adding sections
- c. cannot be increased once assembly is completed
- d. is not a function of section numbers
- e. can be increased by increasing section size

5. Cast-iron boiler sections maximize heat transfer by:

- a. utilizing as few passes as possible
- b. vertical firing
- c. exposing as large a surface as possible to the hot gases
- d. utilizing an external furnace
- e. using four push nipples per section

Quiz 06 Answers:

1 = d, 2 = e, 3 = d, 4 = b, 5 = c