SMART CONTROLLER-SENSORS WORKSHEET

Soil Moisture Sensors True/False, Multiple Choice 1. A soil moisture sensor may be used in place of a rain shut off device on most irrigation controllers. 2. Soil depth is not important when installing a soil moisture sensor. 3. A single soil moisture sensor is more accurate than ET when scheduling irrigation over a large varying landscaped area 4. Which of the following is an acceptable method for determine soil moisture? a) Gypsum Block/Granular Matrix b) Tensiometer c) Capacitance Probe d) Feel Method e) Probing f) All the Above 5. Which describes how a soil moisture controller can work? a) Provides Closed Loop Feedback b) Gives Feedback to a Weather Based System Controller c) Calculates Daily Evapotranspiration d) A & B Only ____ 6. Where should a soil moisture sensor be placed? a) Where the grass is green b) in the top 12 inches of soil c) Location and depth representative of the zone d) None of the Above 7. Which of the following affects soil moisture content? a) Soil Type b) Slope c) Location d) All the Above Rain Sensors True/False, Multiple Choice 11. A rain shut off (rain switch) device is used to measure the amount of precipitation for a rainfall event. 12. Total Rainfall is always used in Irrigation Scheduling over long periods of time. 13. Texas State Regulations require a rain sensor on all new irrigation systems 14. Which of the following is another term for a Rain Sensor? a) Rain Shut-off Device b) Rain Switch

d) All the Above

c) Tipping Bucket Rain Gauge

Smart Controllers

15. An "ET-based" irrigation controller uses weather data to calculate ET	
16. A Rain Gauge is not required for calculating ET.	
17. A Conventional Irrigation Controller requires you to enter the Plant Type and Sprinkler Precipitation Rate	
18. All Smart controllers calculate irrigation runtime	
19. A Centralized Weather Station that is conwhich of the following sensors?a) Pyranometer (Solar Sensor)c) Temperature/Relative Humidity Sensor	b) Anemometer (Wind Sensor)
e) All the Above	, 11 0
20. Which of the following is typically requi Controller?	red to program a Smart
a) Precipitation Rate	b) Slope
c) Soil Type e) All the Above	d) Plant Type