

Name: _____ Class: _____ Date: _____

ID: A

Code Calculation lesson 2 homework QUESTIONS ON BACK**Instructor ; J. DeMello****Multiple Choice***Identify the choice that best completes the statement or answers the question.*

- _____ 1. Where different temperature limitations of individual componenets are applied to a single circuit, the principle of the _____ is often used to determine the temperature rating of the entire circuit.
- double effect
 - rolling stone
 - strongest will survive
 - weakest link
- _____ 2. The temperature rating associated with the ampacity of a conductor shall be selected and coordinated so as not to exceed the _____ temperature rating of any connected termination , conductor , or device
- average
 - highest
 - lowest
 - standard
- _____ 3. The three most common insulated conductor temperature ratings associated with Table 310.15(B)(16) are
- 60 , 70 , and 90 degree Celsius
 - 60 , 75 , and 90 degree Celsius
 - 65 , 75 , and 95 degree Celsius
 - 65 , 75 , and 110 degree Celsius
- _____ 4. Are THHN 90 degree Celsius conductors permitted to be connected to the terminals of a circuit breaker and used at their 90 degree C ampacities as shown in Table 310.15(B)(16) ?
- Always
 - Only if circuit breaker is approved for such use
 - Only if the circuit breaker is listed and identified for such use
 - Never
- _____ 5. The two most common conductor terminal temperature ratings associated with circuit breakers and other equipment rated 100 amps or less are _____
- 60 degree C and 75 degree C
 - 60 degree C and 90 degree C
 - 60 degree C and 140 degree C
 - 60 degree C and 167 degree C
- _____ 6. In addition to temperature ratings of wire terminals, a circuit breaker may be marked with another temperature rating such as 25 degree C or maybe even as high as 40 degree C. This marking most likely specifies the _____ temperature
- Ambient
 - Conductor
 - Internal
 - Terminal
- _____ 7. A 10 AWG THWN copper conductor is connected to a circuit breaker with termination temperature limitation marked (not to exceed) 60 degree C. What is the allowable ampacity of this conductor now that it is connected to this circuit breaker ?
- 25 Amps
 - 30 Amps
 - 35
 - 40
- _____ 8. a 14 AWG XHHW-2 copper conductor is connected to a circuit breaker with termination temperature limitation marked (not to exceed) 60 degree C. What is the allowable ampacity of this conductor now that it is connected to this circuit breaker ?
- 12 Amps
 - 15 Amps
 - 10 Amps
 - 14 Amps

ID: B