When using the COMcheck software, the compliance report submitted by the permit holder shall indicate that the applicable code is ___________.

b. 2006 IECC  
c. 2009 IECC  
d. 2012 IECC

The NC specific COMcheck software may be used to demonstrate compliance for all of the following except ___________.

a. office building  
b. public school  
c. three story apartment building  
d. four story apartment building

The following are compliance path options for commercial buildings except ___________.

a. meet chapter 5 mandatory and prescriptive provisions  
b. meet NC Comcheck  
c. meet Section 507 “Total Building Performance”  
d. meet 2004 ASHRAE 90.1 plus 20% improvement

Chapter 5 contains requirements for all the following except ___________.

a. industrial process systems and equipment  
b. HVAC systems for building space conditioning  
c. lighting controls  
d. service water heating

According to Table 504.2, the minimum efficiency required for a gas fired storage water heater with 100,000 Btu/h gas fuel input is ___________ thermal efficiency.

a. 78%  
b. 80%  
c. 90%  
d. 4.0 COP
6. According to Table 504.2, the minimum efficiency required for a gas fired instantaneous water heater with 240,000 Btu/h gas fuel input is ___________ thermal efficiency.
   a. 78%
   b. 80%
   c. 90%
   d. 4.0 COP

7. According to Table 504.2, the minimum efficiency required for a gas fired pool heater with 200,000 Btu/h gas fuel input is ___________ thermal efficiency.
   a. 78%
   b. 80%
   c. 90%
   d. 4.0 COP

8. According to Table 504.2, the minimum insulation requirement for an unfired 120 gallon storage tank is ___________.
   a. R-4
   b. R-8
   c. R-10.5
   d. R-12.5

9. Service water heater equipment installed for a mercantile occupancy shall be provided with controls to allow a setpoint of ___________ degrees F.
   a. 90
   b. 100
   c. 110
   d. 120

10. Service water heating equipment not supplied with integral heat traps and serving non-circulating systems shall be provided with heat traps on ___________ piping associated with the equipment.
    a. the supply only
    b. the discharge only
    c. both supply and discharge
    d. neither supply nor discharge
11. For a new commercial building, an inground permanently installed spa shall include all of the following except ____________.
   a. on-off switch for heaters
   b. time switch for pumps
   c. time switch for heaters
   d. constant burning pilot light for gas heaters

12. For a new commercial building, an inground permanently installed spa shall be provided with a cover that is __________.
   a. R-6
   b. R-8
   c. R-12.5
   d. vapor retardant

13. A new commercial building must also comply with one of the “Additional Prescriptive Compliance Requirements” listed in Section 506. Which of the following is not one of the “Additional Prescriptive Compliance Requirements” listed?
   a. Increased insulation
   b. More efficient mechanical equipment
   c. Reduced lighting power density
   d. Automatic daylighting control system

14. For a commercial building, the “Section 507 Total Building Performance” compares the ____________ energy cost of the proposed design to that of the standard reference design.
   a. daily
   b. monthly
   c. annual
   d. lifetime

15. When the “Section 507 Total Building Performance” compliance approach is selected as the path to compliance for a commercial building, in addition to the required energy cost analysis, all of the following compliance documentation shall be provided to the inspector except _____________.
   a. address of the residence
   b. an inspection checklist
   c. life cycle cost analysis
   d. name and version of the software
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<td>1.</td>
<td>a</td>
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