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***** EXAMINATION *****

ETHICS -- CIVIL ENGINEERING

1. **Mary Johnson was outside her area of practice:**
 - a) in dealing with the public
 - b) in dealing with her employer
 - c) in dealing with the contractor
 - d) in dealing with the material's supplier

2. **Mary Johnson had a responsibility to the public to:**
 - a) not seal work which she knew was incorrect
 - b) notify the board of registration
 - c) disclose to her employer the proposed inferior concrete construction
 - d) All of the above

3. **Mary Johnson had a conflict of interest because**
 - a) she was being paid by the contractor and her employer
 - b) she worked for the contractor part-time
 - c) the contractor offered her a bribe to overlook poor construction
 - d) None of the above

4. **Mary Johnson made unethical public statements to the**
 - a) parking lot owner
 - b) contractor
 - c) the city inspector
 - d) None of the above

5. **Richard Madison had a responsibility to the public to:**
 - a) notify the board of registration
 - b) report the environmental law violations sooner
 - c) to offer his own opinion
 - d) sue the mayor

6. **Richard Madison probably delayed reporting violations because:**
 - a) John Carson was his brother-in-law
 - b) Barry Best was a political ally
 - c) he condoned the sludge dumping
 - d) he was a friend of the mayor

7. **George Freed's relation to Richard Madison was:**
- a) employee - employee
 - b) employee - employer
 - c) only political
 - d) consultant - client
8. **Steve Pallin's unethical actions probably involved:**
- a) blackmailing Best
 - b) blackmailing Stanton
 - c) ordering the sludge discharge to lower taxpayer costs
 - d) All of the above
9. **You have a responsibility to the public:**
- a) to obtain the lowest price for your client
 - b) to accept the highest bid
 - c) refuse the lowest bid for environmentally unsafe heat pumps
 - d) None of the above
10. **You have a conflict of interest with the heat pump supplier**
- a) because he has offered a kickback
 - b) because you are a silent partner with the lowest bidder
 - c) because heat pumps are being sold at 50% discount, not 20% discount
 - d) None of the above
11. **You are practicing out of your area of expertise because:**
- a) you cannot prove the heat pumps are inferior
 - b) you cannot supervise the installation of the heat pumps
 - c) you accepted the low bidder with inferior heat pumps
 - d) None of the above
12. **Responsibility to the public by notification of inferior heat pumps is:**
- a) unnecessary because you are approving the bids
 - b) an acceptable form of whistleblowing
 - c) unnecessary because the inferior heat pumps do meet specifications
 - d) None of the above
13. **Designing to stricter future military specification is an ethical**
- a) issue of area of expertise
 - b) issue of conflict of interest
 - c) issue of solicitation of work
 - d) issue of responsibility to the public
14. **Installing no insulation versus over-specified insulation can be**
- a) solved by rejecting all bids
 - b) solved by asking the military for their preference
 - c) solved by taking a loss in return for future work
 - d) None of the above

15. **Installing currently-specified installation will satisfy:**
- a) politically correct environmental issues
 - b) legal issues
 - c) ethical issues
 - d) future specification issues
16. **Choosing the most expensive design:**
- a) may lose clients for your company
 - b) is usually better than a less expensive design
 - c) may be unrealistic for the city engineer/employee.
 - d) All of the above
17. **If the builder advertises high-performance homes, the engineer should:**
- a) send a certified letter to the builder laying out the facts
 - b) contact the building contractor board of registration
 - c) contact the consumer affairs division of the state
 - d) contact the city or county building department
18. **Before blowing the whistle, the engineer should:**
- a) consider alternative insulation techniques
 - b) consider alternative choices for windows
 - c) Both a and b
 - d) None of the above
19. **If high-performance windows are designed and other windows are installed:**
- a) then the engineer should blow the whistle
 - b) let the inspector take responsibility for actual construction
 - c) then the engineer should meet with the Energy Standards committee
 - d) refuse to do further design for the builder
20. **If the inspector tells the engineer that other windows are being installed:**
- a) then the engineer should blow the whistle
 - b) let the inspector take responsibility for actual construction
 - c) then the engineer should meet with the Energy Standards committee
 - d) ask the builder to meet with the inspector to resolve the problem

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