



## CE Questions—"Fire-Protection Systems" (PSD 116)

- 1. Class A fires are readily extinguishable by**
  - a. a non-conductive agent.
  - b. water, cooling, or coating, with a suitable dry chemical.
  - c. special powders.
  - d. application of a smothering and cooling agent.
  
- 2. How much water is required to flow from an individual sprinkler head serving a density of 0.12 gpm/sq ft and covering 190 sq ft?**
  - a. 2.28
  - b. 12.28
  - c. 22.80
  - d. 228.00
  
- 3. Hydraulic calculation of a sprinkler system is possible**
  - a. when the amount of water that must be discharged from the sprinkler heads to achieve fire control is known.
  - b. if the system is not a dry-type system.
  - c. when insufficient water pressure is available.
  - d. when the height of the building above sea level is known.
  
- 4. A fire pump is required to**
  - a. withstand a hydrostatic pressure of four times the working pressure of the sprinkler system.
  - b. be painted red.
  - c. have a maximum pump-break horsepower not exceeding the rating of the driver.
  - d. be located in the basement of a building.
  
- 5. Which of the following is *not* a factor affecting the overall fire hazard of a building?**
  - a. Building construction
  - b. Building occupancy
  - c. Fire hydrant water-flow test
  - d. The growth rate of a fire
  
- 6. Who is the *authority having jurisdiction*?**
  - a. The local building officials and inspectors
  - b. The insurance underwriter
  - c. The local fire department and state fire marshal
  - d. All of the above
  
- 7. Deluge sprinkler systems require**
  - a. open sprinklers.
  - b. special detectors.
  - c. extra hazard occupancy.
  - d. all of the above.
  
- 8. Horizontal split-case fire pumps are used**
  - a. when positive suction pressure exists.
  - b. when suction lift is required.
  - c. when the maximum break horsepower exceeds the rating of the driver.
  - d. with limited service controllers.
  
- 9. The purpose of installing a standpipe system is to provide**
  - a. a readily accessible water supply for fire department personnel or trained occupant use during fire situations.
  - b. Class I service.
  - c. Class II service.
  - d. Class III service.
  
- 10. Dry-pipe sprinkler systems should only be installed where**
  - a. cost is not important.
  - b. increased maintenance is of no concern.
  - c. freezing conditions are likely.
  - d. none of the above.
  
- 11. The minimum water pressure required at any sprinkler head is**
  - a. 2 psi.
  - b. 7 psi.
  - c. 14.7 psi.
  - d. 17.4 psi.
  
- 12. Combined dry-pipe and pre-action systems**
  - a. are used when the owner cannot make up his mind about which system to use.
  - b. have supplemental fire detection systems associated with them.
  - c. must be hydraulically calculated.
  - d. none of the above.

## *Plumbing Systems & Design* Continuing Education Application Form

1. Make a photocopy of this form. Leaving this page in *PSD* allows others to use it to obtain continuing education units (CEUs).
2. PRINT your name and address. Be sure to place your membership number in the appropriate space. This form is valid up to 1 year from date of publication. The *PSD* continuing education unit program is approved by ASPE for up to 1 contact hour (0.1 CEU) of credit per article studied.
3. Answer the multiple-choice continuing education (CE) questions (found after each CE article) and the appraisal questions on this page.
4. Submit this form and the answer sheet below, with the payment of the appropriate fee by check, money order made payable to ASPE, or submit the credit card information to ASPE Education Credit, 8614 W. Catalpa Avenue, Suite 1007, Chicago, IL 60656-1116.
5. Participants who earn a passing score (90%) on the CE questions will receive a letter of certification within 30 days of *PSD's* receipt of the application (no special certificates will be issued). (CEU information will be retained on the ASPE Database.) Participants who wish to retake the test should submit their retest along with an additional fee—\$5 for an ASPE member (currently waived) or \$25 for a nonmember.

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I am applying for the following continuing education credits:

- Fire-Protection Systems (*PSD* 116) Total contact hours applied for: 1.0 (0.1 CEU)

I certify that I have read the article indicated above.

Signature \_\_\_\_\_

Expiration date: Continuing education credit will be given for this examination through **August 30, 2004**. Applications received after that date will not be processed.

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### *PSD* Continuing Education Answer Sheet

#### Fire-Protection Systems (*PSD* 116)

Questions appear on page 63. Circle the answer to each question.

- |       |   |   |   |   |
|-------|---|---|---|---|
| Q 1.  | A | B | C | D |
| Q 2.  | A | B | C | D |
| Q 3.  | A | B | C | D |
| Q 4.  | A | B | C | D |
| Q 5.  | A | B | C | D |
| Q 6.  | A | B | C | D |
| Q 7.  | A | B | C | D |
| Q 8.  | A | B | C | D |
| Q 9.  | A | B | C | D |
| Q 10. | A | B | C | D |
| Q 11. | A | B | C | D |
| Q 12. | A | B | C | D |

### Appraisal Questions

#### Fire-Protection Systems (*PSD* 116)

1. Was the material new information for you?  Yes  No
2. Was the material presented clearly?  Yes  No
3. Was the material adequately covered?  Yes  No
4. Did the content help you achieve the stated objectives?  Yes  No
5. Did the CE questions help you identify specific ways to use ideas presented in the article?  Yes  No
6. How much time did you need to complete the CE offering (i.e., to read the article and answer the post-test questions)? \_\_\_\_\_



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