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Continuing Education Course #468
Ohio Engineering Laws and Rules
2022-2023 Biennium

1. According to the Ohio Revised Code, the term “Professional engineer” is defined as
 - a. a graduate of an accredited engineering curriculum or a person registered as a professional engineer.
 - b. a person who is a technically competent in engineering through a combination of education, training and experience.
 - c. a person registered as a professional engineer

2. Which of the following titles may be used by a person who is not an “engineer” as defined in 4733.01(B)?
 - a. structural engineer, geodetic engineer.
 - b. petroleum engineer, fire protection engineer.
 - c. None of the above

3. An Ohio company named Buckeye Building Engineering LLC is a building repair and maintenance company. The company does not have engineers or registered engineers on staff and does not engage in engineering work nor solicit for engineering services. The company name is lawful.
 - a. True
 - b. False

4. Which of the following for-profit firms may offer and provide engineering services without a certificate of authorization?
 - a. Offusu Engineering Services LLC
 - b. Offusu and Partners,
 - c. None of the above

5. Which of the following persons may a business designate as being in responsible charge of the engineering activities and decisions to obtain a certificate of authorization?
 - a. Full-time partner or officer who are registered engineers in the state.
 - b. Part-time employee who is a registered engineer in the state provided he or she does not hold part-time employment in another company.
 - c. All of the above

6. Which of the following companies is NOT in compliance with Ohio Revised Code 4733.16(D) regarding qualified designated personnel in responsible charge for engineering activities?
 - a. Allbright LLC develops commercial and industrial sites for private clients:
Pat Stapelton, P.E. (Ohio), Civil Engineer, 40 hours per week.
Frank Brady, P.E. (New York), Electrical Engineer, 40 hours per week.
Liam Jennings, engineering designer, not a registered engineer in any state, hours per week are unknown.
 - b. Bloomington Designers Inc develops residential subdivisions.
Phil Clemence. P.E. (Ohio) Petroleum Engineer, 40 hours per week.
Ray Neal, P.E. (Ohio) Civil Engineer, 10 hours per week?
 - c. Clifford and Associates is a highway and bridge design company.

Layla Buchanan, P.E. (Ohio), Civil Engineer, 40 hours per week.
Lewis McCary, P.E. (Ohio), Civil Engineer, 30 hours per week.
James Pearson, P.E. (Montana), Traffic Engineer, 30 hours per week.
Joseph Jordan, P.E. (California), Bridge Engineer, 40 hours per week

7. Jeremiah, Jon and Associates is a firm with a certificate of authorization to offer and provide engineering services. The only designated person in responsible charge of engineering activities at this firm is Ted Paulus. In February Ted terminated his employment with the firm. In March the company started a new engineering design project. In April, Hank Kaltz, a registered engineer, was hired to replace Ted and become the person designated as being in responsible charge, and the state board was notified on the day Hank began work. The firm engaged in

- a. unauthorized practice when it provided engineering services on the new project.
- b. authorized practice because it had up to ninety days after Ted's departure to notify the board
- c. authorized practice because it had up to June thirtieth to notify the board and renew the certificate of authorization.

8. Which of the following is not a function of the state board of registration of professional engineers and surveyors?

- a. Annual listing and verification of registered professional engineers and authorized forms
- b. Issuance of seals to registered engineers
- c. Issuance of certificates of registration to professional engineers and certificates of authorization to firms.

9. The following is a summary of the continuing professional development activities of a registrant for the biennium.

Design of Flood Control Systems, FEMA conference: 16 hours
Ohio Dept. of Transportation, Value Engineering, workshop: 6 hours
National Engineering Society, Ethics for Engineers, online self-paced course: 2 hours
ADV Software Co., Stormwater Modelling Software, training: 7 hours

The registrant has satisfied the continuing professional development requirements for the current biennium.

- a. True
- b. False

10. The following is a summary of the continuing professional development activities of a registrant for the biennium.

Urban Watershed Analysis, EPA conference: 12 hours
Ohio State College, Analysis of Traffic Collisions, workshop: 6 hours
US Dept. of Transportation, Temporary Traffic Control: online self-paced course 6 hours
National Engineering Society, Ethics for Engineers, online self-paced course: 2 hours
Cyrus Engineering Group. Traffic Signal Timing Design. Modelling Software training: 4 hours
Cyrus Engineering Group, Ohio Laws and Rules for Professional Engineers: 1 hour

The registrant has satisfied the continuing professional development requirements for the current biennium.

- a. True
- b. False

11. The following is a summary of the continuing professional development activities of a registrant for the biennium.

Roof Truss Design, seminar: 8 hours
ASCE Minimum Design Loads for Building, online self-paced course: 4 hours
National Engineering Society Ethics for Engineers, online self-paced course: 2 hours
Depart. of Transportation Pile Foundations Design and Inspections, training: 6 hours
Indiana Engineers Laws and Rules, class: 2 hours
JG LLC, Design of Bolted Connections and Rivets, class: 8 hours
Structural Timber Design Manual, online self-paced course: 4 hours

The registrant has satisfied the continuing professional development requirements for the current biennium.

- a. True
- b. False

12. A registrant or holder of a certificate of authorization found by the Board to be or to have been engaged in any one or more prohibited acts or practices may be subject to which of the following actions:

(I) Reprimanding the individual.

(II) Imposing a fine on the individual of not more than two thousand dollars per renewal cycle.

(III) Refusing to renew, suspending, or revoking the individual's registration, or revoking the holder's certificate of authorization.

- a. all of the above
- b. (I) and (III) only
- c. (III) only

13. A professional engineer seeking renewal of registration was informed by the board that the renewal cannot be approved due a violation of Ohio Revised Code 4733.27. The denial is due to

- a. an active investigation involving unauthorized practice of engineering
- b. child support default reported to a state agency
- c. failure to report a felony conviction in another state

14. A registrant whose registration has been revoked or suspended in another jurisdiction is required to

- a. notify the board within sixty days
- b. notify the board when renewing registration for the next biennium
- c. none of the above provided there is no felony conviction

15. Stephanie is a licensed general contractor working on a commercial building project. Stephanie has drawn up a set of plans for the client. Stephanie approached Jack, a registered engineer whom she has worked with on many projects, to review the plans and sign and seal them in order for her to apply for permits from the Building Department. An appropriate course of action for Jack is to

- a. sign and seal the plans as presented, as the Stephanie is a licensed contractor and will be held liable.
- b. produce engineering calculations and designs for the project and then sign and seal the plans presented by Stephanie.
- c. produce engineering calculations and designs, and produce his own set of plans for the project, demonstrating he is conducted the engineering through a duly authorized entity, and then sign and seal his plans.

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