Tunnel Surveying and Deformation Monitoring

3 Hours

PDH Academy
PO Box 449
Pewaukee, WI 53072
(888) 564-9098
www.pdhacademy.com
Final Exam

1. What does the term “TBM” stand for?
   a. Tunnel boring machine
   b. Tunnel blaze machine
   c. Temporary boring machine
   d. The boring machine

2. What type of rock were ants found in 92 million years ago?
   a. Diamonds
   b. Rubies
   c. Baltic Amber
   d. Jasper

3. What type of chambers were in the Great pyramid?
   a. King and Queen
   b. Mummy
   c. Dogs
   d. Cats

4. The English Channel Tunnel was also called?
   a. Euro Tunnel
   b. French Tunnel
   c. English Tunnel
   d. European Transport

5. What is the minimum control points required on each end of the tunnel?
   a. One
   b. Two
   c. Three
   d. Zero

6. What measurement should you have off the centerline if you have 8 feet diameter tunnel when measuring the shield?
   a. Ten feet
   b. Eight feet
   c. Nine feet
   d. Four feet
7. The Seikan tunnel is located where?
   a. China  
   b. Japan  
   c. United State  
   d. Korea

8. When was liquid shotcrete invented?
   a. 1907  
   b. 2000  
   c. 2010  
   d. 2018

9. The Port of Miami Tunnel is an example of?
   a. TBM Surveyed tunnel  
   b. Cut and Cover  
   c. Drill and Blast Tunnel  
   d. Open Pit

10. How long was the Michigan Ditch Tunnel?
    a. 450 feet  
    b. 968 feet  
    c. 1450 feet  
    d. 766 feet