Pennsylvania Mining Law
Questions and Answers

Section 252

61. How old must you be to run a shaft, slope, or incline?

a. 18 or older
b. over 21 years of age
c. 25
d. 21

62. Any crowding or pushing on a cage or elevator shall be reported to _____.

a. superintendent
b. mine foreman
c. shift foreman
d. section foreman

Section 254

63. Haulage road shall have a continuous, unobstructed clearance of at least _____ inches from the widest extension of regular coal transportation equipment on the clearance side?

a. 24
b. 30
c. 36
d. 42

64. Shelter holes shall be spaced not more than _____ feet apart, unless otherwise approved by the department?

a. 100
b. 105
c. 110
d. 80

Section 254

65. The dimension of a shelter hole shall be _____.

a. 5 feet deep, not more than 4 feet wide, level roadway, at least 4 feet high
b. 6 feet deep, not more than 4 feet wide, level roadway, at least 4 feet high
c. 5 feet deep, not more than 3 feet wide, level roadway, at least 4 feet high
d. 6 feet deep, not more than 4 feet wide, level roadway, at least 5 feet high

Section 259

66. All conveyor entries shall be provided with a minimum width and height of not less than _____ feet.

a. 2
b. 3
c. 4
d. 5

Section 260

67. Blow torches may be used underground, when properly supervised.

a. true
b. false

Section 230

68. Tests for methane concentrations under this section shall be made at least _____ inches from the roof, face, ribs, and floor.

a.10
b. 3
c. 12
d. 6

Section 230

69. Changes or adjustments shall be made immediately to the ventilation system to reduce the concentration of methane to less than _____ percent?

a. 5
b. 2
c. 1
d. 10

70. The spacing of a CO sensor shall not exceed _____ feet.

a. 2000
b. 500
c. 1000
d. 1500

71. If an operator proposes to use entries in common with the belt, the operator must submit a plan and obtain approval by the Department.

a. true
b. false

72. The quantity of air reaching the last open crosscut in any pair of entries must be no less than _____ CFM.

a. 2000
b. 3000
c. 5000
d. 9000

73. When the belt ventilation current travels away from the working section, only equipment operated in the intake escapeway shall be equipped with a _____.

a. fire extinguisher
b. self rescuer
c. automatic fire suppression system
d. warning bell

Section 230

74. Both visual and audible alarm signals must be provided at all areas when mechanized mining equipment is being installed or removed.

a. true
b. false

Section 211

75. How soon must the mine be evacuated after interruption to the ventilating system?

a. 5 minutes
b. 10 minutes
c. 15 minutes
d. 20 minutes

Section 225

76. A true copy of the mine map shall be kept in the _____.

a. safety office
b. superintendent's office
c. mine office
d. engineering department

Section 226

77. At least once every _____ months, the operator or superintendent shall cause to accurately be shown, on the original map of the mine and on the copy of the map in the mine office, all excavations made during the time elapsed since the excavations were last shown?

a. 2
b. 6
c. 4
d. 12

Section 224

78. All workings not surveyed and taken from a working map or other unofficial record shall be shown on a map with _____.

a. red ink
b. blue ink
c. dash lines
d. question marks

79. Check survey stations shall be advanced to within _____ feet of the deepest penetration of all mains, sub mains, sections and butts.

a. 500
b. 1000
c. 300
d. 200

Section 234

80. The Department shall review the ventilation plan, and take one of the following actions:

a. approve the plan
b. request additional information
c. all of the above
d. none of the above

81. Who submits to the Department, the ventilation plan showing the proposed use of a fan?

a. superintendent
b. mine foreman
c. operator
d. engineering department

Section 244

82. Explosives and detonators stored underground shall be located at least _____ feet from roadways and power wires?

a. 20
b. 25
c. 30
d. 35

83. Explosives and detonators can be stored in the same box or magazine, if separated by at least _____ inches of hard wood?

a. 2
b. 4
c. 6
d. 8

Section 240

84. The certified mine official in charge shall examine for unsafe conditions at the _____.

a. roof
b. faces
c. ribs
d. all of the above

Section 241

85. Who shall be informed of roof support plans?

a. mine foreman
b. section foreman
c. entire shift
d. workman whose work involves roof support

Section 240

86. Who shall ascertain that all workmen are trained in proper methods of testing roof, face, and ribs?

a. mine foreman or assistant mine foreman
b. mine foreman or operator
c. operator or superintendent
d. superintendent and mine foreman

Section 231

87. The distance driven to establish ventilation connections between entries or rooms, shall not exceed _____ linear feet.

a. 100
b. 200
c. 300
d. 500

88. In no case shall any place be driven a total of more than 200 linear feet, unless _____ have been established.

a. ventilation connections
b. air measurements
c. approval from the State inspector
d. approval from engineering department

Section 230

89. Who must approve any changes in the ventilation plan?

a. mine foreman
b. superintendent
c. MSHA
d. engineering department

Section 231

90. A permanent stopping shall be built with _____ material.

a. wood
b. concrete block
c. canvas
d. rock dust bags

Section 231

91. Where adequate ventilation can be provided, who may give written permission to authorize a greater distance?

a. superintendent
b. mine foreman
c. Department
d. operator

Section 237

92. The ventilation of a mine that exceeds more than _____ feet underground shall be provided by a mechanically operated fan.

a. 200
b. 250
c. 300
d. none of the above

Section 234

93. The Department has _____ days to approve or disapprove a plan in which an operator of a mine desires to use an auxiliary blower or exhaust fan?

a. 30
b. 60
c. 90
d. 120

Section 237

94. Fans located on the surface, in fireproof housing, must be offset not less than _____ feet from the nearest side of the mine opening.

a. 10
b. 15
c. 20
d. 25

Section 239

95. Rock dust shall be maintained in such quantity, the incombustible content of the dust shall not be less than _____ percent?

a. 25
b. 50
c. 65
d. 100

95. Rock dust shall be pulverized so that _____ percentage will travel through a 20-mess screen.

a. 50
b. 100
c. 80
d. 70

Section 245

96. While bore holes are being charged, _____ equipment shall not be operated in the work area, and only work in connection with roof support, and general safety shall be performed.

a. mining
b. electrical
c. self-propelled
d. safety

98. No solid shooting shall be permitted without approval from the _____.

a. Department
b. mine foreman
c. superintendent
d. shot-firer

Section 245

99. Blasting cable shall be well insulated, and shall be at least _____ feet in length to permit individuals authorized to fire shots, to get to a safe place - out of the line of blasting.

a. 125
b. 300
c. 200
d. 1000

100. Detonator leg wires shall be kept _____ until ready to connect to the blasting cable.

a. connected
b. separated
c. shunted
d. taped

Section 224

101. An accurate mine map shall show a minimum elevation closure of plus or minus one foot per _____ feet is required.

a. 300
b. 1000
c. 200
d. 5000

102. Every entry must be surveyed at intervals not to exceed _____ lineal feet.

a. 1000
b. 900
c. 300
d. 1200

Section 222

103. The _____ shall provide a sufficient number of danger signs?

a. mine foreman
b. operator
c. superintendent
d. both a and b

Section 224

104. The operator or superintendent at each mine shall cause to be made, by registered mining engineers, or a registered professional surveyor, an accurate, professional quality map of the mine, on a scale not less than _____ feet to the inch.

a. 50
b. 500
c. 200
d. 300

Section 221

104. A superintendent must hold a _____.

a. mine foreman certificate
b. mine examiners certificate
c. machine runners' papers
d. college degree

105. In a mine where a superintendent is not employed, who shall have all duties and responsibilities of a superintendent?

a. assistant mine foreman
b. shift foreman
c. master mechanic
d. mine foreman

Section 212

106. The mine foreman, the assistant mine foreman or mine examiner shall how often travel and examine all the air courses and openings that give access to old workings or falls _____.

a. weekly
b. monthly
c. daily
d. each shift

Section 212

107. The transportation of tools in and out of a mine is under the direction of _____.

a. safety department
b. superintendent
c. mine foreman or assistant mine foreman
d. hoist man

108. Who shall see that every working place is properly secured and safe?

a. certified person
b. superintendent
c. mine foreman or the assistant mine foreman
d. section foreman

109. A workman shall inform the mine foreman or assistant, at least how much in advance needing roof support materials in a non-emergency?

a. 1 day
b. 8 hours
c. 2 days
d. 48 hours

Section 216

110. When should a mine foreman enter plainly, and sign in ink, a report of the condition of the mine, in a book provided for that purpose?

a. once a week
b. once a month
c. daily
d. annually

111. When must a mine foreman read and countersign in ink, all reports entered in the record book of the mine examiner?

a. daily
b. weekly
c. monthly
d. annually

Section 218

112. A certified person designated by the operator must make a pre-shift examination within _____ hours preceding the beginning of any 8 hour interval when personnel are scheduled to work?

a. 1
b. 5
c. 3
d. 2

113. Pre-shift examinations of areas where pumpers are scheduled to work or travel, shall not be required prior to the pumper entering the area, if he possesses _____.

a. fire boss papers
b. gas card
c. shot fire certification
d. machine runner certification

114. All preshift and corrective action records shall be countersigned by whom?

a. operator
b. superintendent
c. mine foreman
d. shift foreman

115. How long does the mine foreman have to countersign preshift and corrective action records?

a. 1 week
b. next regular scheduled shift
c. 1 month
d. 3 hours

116. Records shall be retained at a surface location at the mine for what period of time?

a. 6 months
b. 1 year
c. 2 years
d. indefinitely

Section 218

117. A second examination by the same or another mine examiner shall be made during working hours of every working place where individuals are employed, and a report of said examination shall be made in the _____.

a. foreman's book
b. assistant foreman's book
c. mine examiner's book
d. superintendent's book

Section 202

118. To get a certificate of qualification as a mine foreman, you must have received an average of at least _____ percent in the examination?

a. 80
b. 70
c. 75
d. 90

119. To get a certificate of qualification as an assistant mine foreman, you must have received an average of at least _____ percent in the examination.

a. 70
b. 80
c. 75
d. 90

Section 201

120. An assistant mine foreman will be assigned to _____ working sections?

a. 3
b. 2
c. none
d. 1