

ARAMCO INTERVIEW QUESTIONS

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1. What is the first step in preparing for excavation or trenching work?

- A. Start digging immediately
- B. Contact the supervisor only
- C. Obtain a valid work permit and ensure utility clearance
- D. Barricade the area

Correct Answer: C

2. What is the minimum height that requires a full Fall Protection System (FPS) when working near an open trench?

- A. 1.2 meters (4 ft)
- B. 1.8 meters (6 ft)
- C. 2.0 meters (6.5 ft)
- D. 3.0 meters (10 ft)

Correct Answer: B

3. Who is responsible for determining the soil type and condition for an excavation?

- A. The Work Supervisor
- B. The safety officer
- C. The Competent Person
- D. The equipment operator

Correct Answer: C

4. What is the maximum permissible distance material (spoil pile) can be placed from the edge of an excavation?

- A. 0.3 meters (1 ft)
- B. 0.6 meters (2 ft)
- C. 1.0 meters (3 ft)
- D. 1.5 meters (5 ft)

Correct Answer: B

5. What is required if an excavation is 1.2 meters (4 ft) or deeper?

- A. Only a Cold Work Permit

- B. A Confined Space Entry Permit (Green)
- C. A Hot Work Permit
- D. No permit is needed

Correct Answer: B

6. If water or another hazard is present in an excavation, who must all personnel immediately notify?

- A. The equipment operator
- B. The Competent Person
- C. The security guard
- D. The administrative assistant

Correct Answer: B

7. What must be provided for all excavations that are 1.2 meters (4 ft) or deeper?

- A. A ladder
- B. Adequate means of access and egress
- C. A safety net
- D. A cover

Correct Answer: B

8. What is the maximum horizontal distance an employee should have to travel to reach a means of egress in a trench?

- A. 5 meters (16 ft)
- B. 7.6 meters (25 ft)
- C. 10 meters (33 ft)
- D. 15 meters (50 ft)

Correct Answer: C

9. What must be protected by shoring, sloping, or benching if it exceeds the required depth?

- A. All trenches and excavations
- B. Only trenches wider than 3 meters
- C. Only trenches in Type A soil
- D. Only trenches in rock

Correct Answer: A

10. Which soil type requires the flattest slope for stability?

- A. Type A (Stable Rock)

- B. Type B (Cohesive Soil)
- C. Type C (Granular Soil)
- D. Type D (Unstable Sand)

Correct Answer: C

11. If a non-identified underground utility is discovered during excavation, what is the immediate action?

- A. Continue digging around it slowly
- B. Stop work immediately and notify the supervisor
- C. Cover it with sand
- D. Call the local municipality

Correct Answer: B

12. What is the requirement for vehicles and heavy equipment operating near the edge of an excavation?

- A. Operate within 0.3 meters of the edge
- B. Keep them at a safe distance from the edge
- C. Let them drive over the trench
- D. Only use small equipment

Correct Answer: B

13. What must be done to prevent water from entering the excavation?

- A. Dig a deeper hole
- B. Provide suitable control of surface water runoff
- C. Use a water hose to wash the edges
- D. Fill the trench with concrete

Correct Answer: B

14. What is the definition of the 'Competent Person' in the context of excavation?

- A. A person certified to identify existing and predictable hazards and who has authority to take corrective measures
- B. Any experienced worker
- C. A worker with a valid driver's license
- D. The worker with the newest safety training certificate

Correct Answer: A

15. Before an excavation is classified as safe, what must the Competent Person inspect?

- A. The price of materials
- B. The soil conditions, protective systems, and atmosphere
- C. The surrounding traffic
- D. The nearest security gate

Correct Answer: B

16. What is the maximum vertical side wall height that can be maintained without protection (shoring/sloping) in stable rock?

- A. 1.2 meters (4 ft)
- B. 1.8 meters (6 ft)
- C. 2.4 meters (8 ft)
- D. No maximum limit

Correct Answer: A

17. If workers are required to enter an excavation deeper than 1.2 meters (4 ft), what must be available for immediate rescue?

- A. A bucket and a rope
- B. An approved emergency rescue plan
- C. A list of all workers' names
- D. A map of the nearest hospital

Correct Answer: B

18. What type of protection is required if the excavation is located in a high-traffic area (pedestrian or vehicle)?

- A. Only shoring
- B. Warning barriers, signage, and lighting
- C. Water sprinklers
- D. A flag pole

Correct Answer: B

19. What must be done with loose soil or rocks at the edge of the trench?

- A. Leave them as is
- B. Remove them or secure them to prevent them from falling into the trench
- C. Cover them with a tarp
- D. Push them to the bottom

Correct Answer: B

20. What is the maximum depth that a trench may be dug before shoring or sloping is *always* required, regardless of soil type?

- A. 1.2 meters (4 ft)
- B. 1.5 meters (5 ft)
- C. 2.0 meters (6.5 ft)
- D. 3.0 meters (10 ft)

Correct Answer: B

21. What is the hazard associated with running a gasoline-powered pump near an excavation?

- A. Noise pollution
- B. Carbon monoxide (CO) buildup in the trench
- C. The pump may overheat
- D. The pump may run out of fuel

Correct Answer: B

22. How often should the Competent Person perform inspections of the trench?

- A. Only at the start of the job
- B. Daily, before work begins, and after any weather-related event
- C. Weekly
- D. Only if the supervisor requests it

Correct Answer: B

23. What should be used to protect the trench from the effect of nearby vibrating machinery (e.g., compaction equipment)?

- A. Increase the distance or install shoring
- B. Use a water mist
- C. Reduce the speed of the machinery
- D. Stop the work entirely

Correct Answer: A

24. What is required to allow crossing over an excavation?

- A. A temporary plank
- B. A fully engineered and constructed crossover bridge
- C. A verbal warning
- D. A brightly colored ribbon

Correct Answer: B

25. If a trench is left unattended, what must be done to prevent falls?

- A. Leave it uncovered
- B. Cover it or install warning barriers and signage
- C. Post a security guard
- D. Put a cone next to it

Correct Answer: B

26. What must be considered when backfilling an excavation?

- A. The color of the soil
- B. The stability of adjacent structures and utilities
- C. The time of day
- D. The price of the backfill material

Correct Answer: B

27. What is the required angle of repose for Type C soil in a sloping system?

- A. 45 degrees (1:1)
- B. 34 degrees (1.5:1)
- C. 53 degrees (3/4:1)
- D. 90 degrees (vertical)

Correct Answer: B

28. What is the minimum requirement for a protective system if the excavation depth is between 1.2 m and 1.5 m (4 ft and 5 ft)?

- A. No protection is needed
- B. Only a ladder is needed
- C. Shoring or sloping is required, or a determination of safety by the Competent Person
- D. A full Confined Space Permit is required

Correct Answer: C

29. What is the potential hazard if an excavation exposes an electrical utility?

- A. Asphyxiation
- B. Electrocution or explosion
- C. Fire hazard
- D. Noise pollution

Correct Answer: B

30. What must be provided for workers entering an excavation where hazardous fumes may accumulate?

- A. A radio only
- B. Forced air ventilation and continuous atmospheric monitoring
- C. A single fire extinguisher
- D. A new pair of gloves

Correct Answer: B

31. What should be used to prevent equipment damage and maintain the integrity of underground utilities when digging near them?

- A. A power shovel
- B. Hand tools or vacuum excavation
- C. A large excavator
- D. A hydraulic hammer

Correct Answer: B

32. What must be done to the sides of an excavation if a heavy rain occurs?

- A. Continue work as usual
- B. Re-inspect the sides and protective systems immediately
- C. Cover the sides with plastic
- D. Spray the sides with oil

Correct Answer: B

33. How must shoring materials be stored?

- A. Piled loosely on the ground
- B. Stored neatly and protected from damage
- C. Stored inside the excavation
- D. Discarded after each use

Correct Answer: B

34. What is the maximum depth that shoring must extend below the excavation's edge?

- A. It must not extend below the edge
- B. It must extend to the bottom of the excavation
- C. It must extend 0.5 meters below the edge
- D. It must extend 1.0 meter below the edge

Correct Answer: B

35. What is required before any vehicle or heavy equipment is allowed to cross a trench?

- A. A verbal authorization
- B. Trench plates or bridging designed by a professional engineer
- C. A temporary wooden plank
- D. A traffic controller

Correct Answer: B

36. What is the primary danger associated with improper sloping or shoring?

- A. Noise complaints
- B. A soil cave-in
- C. Equipment failure
- D. Tool loss

Correct Answer: B

37. What is the requirement for emergency lighting if excavation work extends into the night?

- A. No lighting is needed
- B. Adequate lighting must be provided for the work and surrounding area
- C. Only a flashlight is needed
- D. Lighting is only required inside the trench

Correct Answer: B

38. What is required if an excavation is near or underneath an existing structure or foundation?

- A. No special precautions needed
- B. The foundation must be temporarily supported (underpinning)
- C. The work must be done at night
- D. The structure must be painted

Correct Answer: B

39. What must be confirmed before backfilling any trench?

- A. That all tools are left inside
- B. That all foreign objects and debris have been removed
- C. That the work permit is still open
- D. That the supervisor is present

Correct Answer: B

40. What is the maximum permissible distance for a worker to be exposed to open trenches (no protection) in Type A soil?

- A. 2.0 meters (6.5 ft)
- B. 1.2 meters (4 ft)
- C. 3.0 meters (10 ft)
- D. 4.0 meters (13 ft)

Correct Answer: B

41. What is the minimum required distance between a spoil pile and the edge of a trench?

- A. The width of the excavation
- B. 0.6 meters (2 ft)
- C. 1.0 meter (3 ft)
- D. As far as possible

Correct Answer: B

42. What must the supervisor ensure before approving a work permit for excavation?

- A. That the area is painted
- B. That the underground utility plan has been reviewed and marked
- C. That the workers have coffee
- D. That the weather is warm

Correct Answer: B

43. What is the primary purpose of benching the sides of a deep excavation?

- A. To provide seating for workers
- B. To create steps for safer access and to prevent soil collapse
- C. To collect rain water
- D. To make the trench look neat

Correct Answer: B

44. What is the rule regarding the placement of access ladders in an excavation?

- A. They must be leaning on the equipment
- B. They must extend at least 0.9 meters (3 ft) above the top edge of the excavation
- C. They can be placed anywhere
- D. They must be painted red

Correct Answer: B

45. What is the required protection for workers entering excavations near roadways?

- A. Only a stop sign
- B. Barriers, traffic controls, and flagmen
- C. A single cone
- D. A reflective vest only

Correct Answer: B

46. What is the requirement for atmospheric testing in an excavation deeper than 1.2 meters (4 ft)?

- A. Only if the air smells bad
- B. Testing for O₂, flammability, and toxicity must be performed before entry
- C. Only if Hot Work is being done
- D. Testing is not required in open excavations

Correct Answer: B

47. What type of permit is required if the excavation work involves cutting a metal pipe with a torch?

- A. Cold Work Permit
- B. Confined Space Entry Permit
- C. Hot Work Permit
- D. Equipment Opening Permit

Correct Answer: C

48. What must be provided for workers to stand on if the bottom of the trench is muddy or wet?

- A. Only rubber boots
- B. Safe footing like a walkway or boards
- C. Nothing, they must stand in the mud
- D. A portable chair

Correct Answer: B

49. What should be done with any materials placed on the bridging/crossover over an excavation?

- A. Leave them unattended
- B. Ensure the bridge is rated for the additional load
- C. Paint the materials bright colors
- D. Only place small items

Correct Answer: B

50. If a sudden ground vibration occurs near the excavation, who must immediately inspect the trench?

- A. The nearest worker
- B. The Competent Person
- C. The security guard
- D. The administrative assistant

Correct Answer: B

51. What is the requirement for workers using jackhammers inside an excavation?

- A. They must wear gloves only
- B. They must be protected from falling debris and the equipment must be grounded
- C. They can use the jackhammer for only 5 minutes
- D. They must wear a white hard hat

Correct Answer: B

52. What is the minimum requirement for the integrity of shoring systems?

- A. They must look new
- B. They must be designed and installed according to an engineered plan
- C. They must be made of wood
- D. They must be painted green

Correct Answer: B

53. What is the required safe distance for non-qualified personnel and equipment from an overhead power line rated at 34.5 kV?

- A. 1 meter (3 ft)
- B. 3 meters (10 ft)
- C. 6 meters (20 ft)
- D. 9 meters (30 ft)

Correct Answer: C

54. What is the purpose of a Ground Fault Circuit Interrupter (GFCI) or Residual Current Device (RCD)?

- A. To prevent overcurrent
- B. To prevent short circuits
- C. To protect personnel from electrocution (ground faults)
- D. To increase voltage

Correct Answer: C

55. What must be done immediately before working on any electrical circuit?

- A. Remove the fuse
- B. Ensure the circuit is de-energized, isolated, and locked out (LOTO)
- C. Put on rubber boots
- D. Call the electrician

Correct Answer: B

56. What type of protective equipment must be worn when working on or near exposed, energized electrical conductors?

- A. Leather gloves
- B. Arc Rated (AR) clothing
- C. Standard cotton coveralls
- D. A safety helmet only

Correct Answer: B

57. When using portable electric tools, what is the maximum permissible length for an extension cord?

- A. 15 meters (50 ft)
- B. 30 meters (100 ft)
- C. 45 meters (150 ft)
- D. No limit

Correct Answer: B

58. Which type of ladder is prohibited for use when working near energized electrical equipment?

- A. Fiberglass ladders
- B. Wooden ladders
- C. Aluminum ladders
- D. Plastic ladders

Correct Answer: C

59. What must be done with flexible cords passing through doorways or walkways?

- A. Tape them to the floor
- B. Protect them from damage and trip hazards
- C. Run them through the ceiling

D. Coil them neatly

Correct Answer: B

60. Who is authorized to perform maintenance or repair work on energized electrical equipment?

- A. Any trained worker
- B. Only Qualified Electrical Workers (QEW)
- C. The nearest supervisor
- D. The Permit Issuer

Correct Answer: B

61. Before removing a temporary ground lead after LOTO, who must be notified?

- A. The nearest security guard
- B. All affected personnel
- C. The site manager
- D. The contractor foreman

Correct Answer: B

62. What is the first step in the isolation of an electrical circuit?

- A. Test for voltage
- B. Open the disconnecting device (breaker/switch)
- C. Apply the lock and tag
- D. Remove the wire insulation

Correct Answer: B

63. What is the minimum safe distance for non-qualified personnel and equipment from an overhead power line rated at 13.8 kV?

- A. 1.5 meters (5 ft)
- B. 3 meters (10 ft)
- C. 6 meters (20 ft)
- D. 9 meters (30 ft)

Correct Answer: B

64. If a Hot Work Permit is issued for electrical work, what activity is likely involved?

- A. Using a battery-operated flashlight
- B. Using non-rated energized electrical devices in a classified area
- C. Turning off the main power switch

D. Inspecting the breaker box

Correct Answer: B

65. What must be provided for all electrical circuits to allow for safe isolation?

- A. A spare fuse
- B. A clear means of disconnecting and isolating the circuit
- C. A red warning light
- D. A sign with the voltage

Correct Answer: B

66. What is the condition of an electrical tool that has a missing grounding pin?

- A. It can be used if it is double insulated
- B. It must be immediately removed from service
- C. It can be used if taped
- D. It is safe if the voltage is low

Correct Answer: B

67. How should damaged insulation on a power cord be handled?

- A. Ignore it if the tool works
- B. Tape it with electrical tape
- C. Remove the cord from service immediately
- D. Ask the supervisor to check it later

Correct Answer: C

68. What must be done after applying LOTO, and before starting work on an electrical circuit?

- A. Check the schedule
- B. Test the circuit to confirm it is de-energized
- C. Clean the area
- D. Call the Permit Issuer

Correct Answer: B

69. What type of power distribution system is required for lighting in vessels or tanks (Confined Spaces)?

- A. 110 Volt AC
- B. 220 Volt AC
- C. Low Voltage (12 V or less)

D. High voltage DC

Correct Answer: C

70. What is required if an electrical circuit cannot be fully de-energized for repair?

- A. A full LOTO procedure must be applied regardless
- B. A documented Energized Work Permit must be issued
- C. Work must be postponed
- D. The worker must wear all rubber PPE

Correct Answer: B

71. What is the requirement for all temporary power panels used on the job site?

- A. They must be mounted on wooden supports
- B. They must be grounded and rain-tight
- C. They must be painted red
- D. They must be portable

Correct Answer: B

72. What is the minimum required safe distance from an energized electrical panel or equipment?

- A. The space must be kept clear
- B. 1.0 meter (3 ft)
- C. 1.5 meters (5 ft)
- D. 2.0 meters (6 ft)

Correct Answer: A

73. What must be ensured regarding electrical extension cords on the job site?

- A. They are heavy duty and rated for the load
- B. They are very long
- C. They are cheap
- D. They are colored orange

Correct Answer: A

74. What is the hazard associated with flexible cords that are spliced together?

- A. They are prone to overheating and fire
- B. They are too long
- C. They are messy

D. They are difficult to unplug

Correct Answer: A

75. What must be clearly marked on electrical disconnect switches?

- A. The date of purchase
- B. The equipment they control
- C. The name of the supervisor
- D. The price

Correct Answer: B

76. What is the function of a Temporary Ground Lead applied after LOTO?

- A. To connect the system to the nearest pipe
- B. To ensure the circuit remains at zero potential (grounded)
- C. To provide temporary power
- D. To allow the circuit to be tested

Correct Answer: B

77. What must be done to prevent electrical hazards when excavation is near a known power cable?

- A. Call the fire watch
- B. Expose the cable carefully by hand digging
- C. Dig with a machine quickly
- D. Use a metal rod to probe the area

Correct Answer: B

78. What type of electrical hazards are workers exposed to when not wearing Arc Rated PPE?

- A. Noise exposure
- B. Thermal burns from arc flash
- C. Chemical exposure
- D. Ergonomic injury

Correct Answer: B

79. What is required on the Arc Flash Label on electrical equipment?

- A. Contact information for the nearest hospital
- B. The required Arc Flash Boundary and PPE level
- C. The name of the manufacturer

D. The installation date

Correct Answer: B

80. What is the maximum allowed voltage for portable hand lamps?

A. 240 Volts

B. 110 Volts

C. 24 Volts

D. 12 Volts

Correct Answer: D

81. What is the rule regarding the use of single-pole switches as a means of LOTO?

A. They are acceptable

B. They are prohibited; only multi-pole switches can be used

C. They can be used if they are large

D. They are only for lighting circuits

Correct Answer: B

82. What is required for the use of generators on the job site?

A. They must be connected to the grid

B. They must be properly grounded and bonded

C. They must be covered with a tarp

D. They must be turned off when not in use

Correct Answer: B

83. What must be done to prevent water from accumulating near temporary electrical equipment?

A. Allow it to evaporate

B. Relocate the equipment or drain the water

C. Cover it with sand

D. Wrap the equipment in plastic

Correct Answer: B

84. What must be confirmed by the Qualified Electrical Worker (QEW) before applying temporary grounds?

A. That the circuit is energized

B. That all workers are watching

C. That the circuit is de-energized and tested at zero potential

D. That the ground leads are old

Correct Answer: C

85. What is required for the installation of new electrical equipment?

- A. It must be painted yellow
- B. It must comply with Saudi Aramco and NEC/IEC standards
- C. It must be installed quickly
- D. It must be installed by a non-qualified person

Correct Answer: B

86. What is the hazard of an overloaded electrical circuit?

- A. The lights will dim
- B. The circuit wiring may overheat and cause a fire
- C. The tool will stop working
- D. The wire will change color

Correct Answer: B

87. Who is responsible for inspecting temporary electrical installations before first use?

- A. The supervisor
- B. The Qualified Electrical Worker (QEW)
- C. The cleaning crew
- D. The security guard

Correct Answer: B

88. What is the required color code for temporary electrical wiring in Saudi Aramco?

- A. Yellow
- B. Green
- C. It must be readily distinguishable from permanent wiring
- D. Red

Correct Answer: C

89. What must be done to prevent unauthorized tampering with LOTO on electrical equipment?

- A. Use a small lock
- B. Use a personal safety lock and tag that cannot be easily cut
- C. Use a plastic tie wrap
- D. Leave the key nearby

Correct Answer: B

90. What must be provided for all workers using electrical tools in wet or damp locations?

- A. A dedicated rubber mat
- B. GFCI/RCD protection
- C. A dehumidifier
- D. Extra gloves

Correct Answer: B

91. If a substation contains exposed live parts, what access restriction is required?

- A. A chain only
- B. A locked fence or enclosure
- C. A warning sign only
- D. A security camera

Correct Answer: B

92. What is the requirement for electrical cords and cables when not in use?

- A. They must be thrown on the ground
- B. They must be coiled and stored properly
- C. They must be left plugged in
- D. They must be buried

Correct Answer: B

93. What must be done with electrical cables near sources of heat or fire?

- A. Cover them with tape
- B. Route them away from heat sources
- C. Spray them with water
- D. Insulate them with cardboard

Correct Answer: B

94. What is the primary danger associated with using damaged electrical cords?

- A. Electrocution and fire
- B. Noise pollution
- C. The cord will break
- D. The tool will slow down

Correct Answer: A

95. When should a supervisor perform an inspection of the electrical work site?

- A. Only at the start of the project
- B. Daily or more frequently to ensure safety and compliance
- C. Only when a problem is reported
- D. Only when the weather is good

Correct Answer: B

96. What must be done to prevent an electrical hazard from overhead lines when operating a crane?

- A. Post a warning sign
- B. Maintain the required minimum safe distance and use a spotter
- C. Spray the lines with water
- D. Use a smaller crane

Correct Answer: B

97. What type of fire extinguisher is required near electrical equipment?

- A. Water-based extinguisher
- B. Type C (for electrical fires) or multi-purpose dry chemical
- C. Foam extinguisher
- D. Wet chemical extinguisher

Correct Answer: B

98. What is the maximum allowed current draw from a single duplex (double) receptacle on a temporary power source?

- A. 10 Amps
- B. 15 Amps
- C. 20 Amps
- D. 30 Amps

Correct Answer: C

99. What must be confirmed about electrical plug and receptacle ratings?

- A. That they are manufactured in the same country
- B. That they are rated for the voltage and current of the system
- C. That they are the same color
- D. That they are new

Correct Answer: B

100. What is required to be posted in electrical substations for quick isolation in an emergency?

- A. A list of workers
- B. Updated single line drawings
- C. A list of spare parts
- D. The security guard's phone number

Correct Answer: B

101. What must be worn when testing for zero voltage on a live circuit?

- A. Standard work gloves
- B. Arc Rated clothing and other necessary PPE
- C. A rain jacket
- D. A full-face shield only

Correct Answer: B

102. What must be done to temporary electrical equipment before it is energized for the first time?

- A. Washed with water
- B. Inspected and tested by a Qualified Electrical Worker
- C. Painted yellow
- D. Left out in the sun

Correct Answer: B

103. What is the main purpose of an Arc Flash Boundary?

- A. To mark the limit where workers must wear AR PPE
- B. To mark the distance where an arc flash could cause second-degree burns
- C. To mark the limit where Hot Work is allowed
- D. To mark the limit where noise levels are too high

Correct Answer: B

104. What is the requirement for all unused openings in electrical enclosures (e.g., junction boxes)?

- A. They must be covered with tape
- B. They must be closed and sealed
- C. They can be left open for ventilation
- D. They must be painted blue

Correct Answer: B

105. What is the maximum speed limit within Saudi Aramco operating areas (e.g., plants, refineries)?

- A. 40 km/h
- B. 50 km/h
- C. 60 km/h
- D. 80 km/h

Correct Answer: A

106. What is the requirement for the use of seat belts while operating a vehicle on company premises?

- A. Only the driver must wear a seat belt
- B. All occupants must wear seat belts
- C. Seat belts are optional for short distances
- D. Only if traveling on the highway

Correct Answer: B

107. What must be done to the engine while refueling a vehicle?

- A. Let it idle for quick start
- B. Turn off the engine and avoid using portable electrical devices
- C. Leave the keys in the ignition
- D. Open the hood for ventilation

Correct Answer: B

108. When should a driver report a Motor Vehicle Accident (MVA) that occurs on company premises?

- A. Only if there is major damage
- B. Immediately to Saudi Aramco Industrial Security Operations (ISO)
- C. To the supervisor at the end of the shift
- D. To the insurance company first

Correct Answer: B

109. What is the safe following distance a driver must maintain from the vehicle in front?

- A. One car length
- B. A minimum distance that allows for safe stopping
- C. 2 seconds

D. 3 seconds or more

Correct Answer: D

110. What must drivers do regarding passing other vehicles?

- A. Pass on the right shoulder
- B. Pass only when allowed and safe to do so
- C. Pass at high speed to get it over with
- D. Pass regardless of road markings

Correct Answer: B

111. What is the requirement for using a mobile phone while driving?

- A. Allowed if using a hands-free device
- B. Prohibited (except for essential communication in certain areas)
- C. Allowed if talking to a supervisor
- D. Allowed if sending a text message

Correct Answer: B

112. What is the maximum allowed blood alcohol concentration (BAC) for operating a vehicle?

- A. 0.08%
- B. 0.05%
- C. Zero (0.00%)
- D. 0.02%

Correct Answer: C

113. What must be secured when a vehicle is parked?

- A. The radio
- B. The keys and the steering wheel
- C. The vehicle must be secured against movement and unauthorized use
- D. The glove compartment

Correct Answer: C

114. What must a driver do if involved in a collision?

- A. Drive away immediately
- B. Stay at the scene until released by ISO or SAG police
- C. Exchange insurance information only
- D. Call a family member first

Correct Answer: B

115. Who must receive off-road driving training before operating a vehicle in a remote area?

- A. Only supervisors
- B. Any person operating a vehicle in a remote area or off-road
- C. Only contractors
- D. Only Saudi Aramco employees

Correct Answer: B

116. What must a driver carry in an off-road vehicle as per Saudi Aramco requirements?

- A. A video game console
- B. Compass/GPS, adequate spare fuel/oil, communication equipment, tools, and two spare tires
- C. A large tent and a cooker
- D. Only one spare tire

Correct Answer: B

117. Who must a remote area driver inform of their destination, route, and expected time of return?

- A. Their spouse
- B. Their direct supervisor
- C. The nearest security gate
- D. The CEO

Correct Answer: B

118. What must a driver do if lost or stranded in the desert?

- A. Walk to the nearest city
- B. Stay with the vehicle
- C. Hike to a high point to get a signal
- D. Light a large fire immediately

Correct Answer: B

119. What is the required frequency for a supervisor to call 911 if a remote driver has not reported their location?

- A. After 1 hour
- B. After 2 hours
- C. After 3 hours or more

D. After 5 hours

Correct Answer: C

120. What is required before using a specialized vehicle (e.g., crane, forklift, aerial lift)?

A. A valid driver's license only

B. Valid training and a proper license/certification for the specific equipment

C. A waiver signed by the supervisor

D. Only verbal permission

Correct Answer: B

121. What must be done with cargo in a vehicle before driving?

A. Left loose for easy unloading

B. Secured to prevent movement or shifting

C. Piled higher than the vehicle roof

D. Secured only on highways

Correct Answer: B

122. What is the hazard associated with a vehicle that is not maintained in good condition?

A. Higher fuel cost

B. Increased risk of breakdowns or accidents

C. Slower speed

D. It will look dirty

Correct Answer: B

123. What is the requirement for operating heavy equipment (e.g., cranes) near overhead power lines?

A. Only operate when the power is off

B. Maintain the required minimum safe distance and use a spotter

C. Only if the operator is experienced

D. Only if the vehicle is grounded

Correct Answer: B

124. What is the rule regarding the speed of specialized vehicles (e.g., forklift) within operating areas?

A. They can drive at 40 km/h

B. They must follow the posted speed limit or less, as conditions warrant

C. They can drive faster than the limit

D. No limit applies to forklifts

Correct Answer: B

125. What must be done to prevent an unattended vehicle from rolling downhill?

- A. Turn the wheels towards the curb/shoulder and use the parking brake
- B. Place a cone behind the vehicle
- C. Leave the engine running
- D. Place it in neutral

Correct Answer: A

126. What must a driver do when approaching a Saudi Aramco heavy vehicle or slow-moving equipment?

- A. Honk the horn repeatedly
- B. Exercise extreme caution and maintain a safe following/passing distance
- C. Speed up and pass quickly
- D. Tailgate them closely

Correct Answer: B

127. What is the rule for drivers concerning fatigue?

- A. Drive regardless of fatigue
- B. Drivers must not operate a vehicle if they are fatigued or impaired
- C. Take a caffeine pill and continue
- D. Drive with the windows open

Correct Answer: B

128. What must be done to the vehicle engine if the driver is making a phone call from a designated roadside rest area?

- A. Leave it running
- B. Turn it off
- C. Put it in park
- D. Rev it up

Correct Answer: B

129. What is the requirement for securing all loose items inside the cab of a vehicle?

- A. Only if the item is heavy
- B. All loose items must be secured to prevent them from becoming projectiles
- C. Loose items can be placed on the dashboard

D. Only if the passenger complains

Correct Answer: B

130. What is the maximum speed limit for construction traffic on an unpaved road?

- A. 30 km/h
- B. 40 km/h
- C. 50 km/h
- D. 60 km/h

Correct Answer: A

131. What must be done with an unattended vehicle while the engine is running?

- A. It is allowed in hot weather
- B. It is prohibited
- C. It is allowed if the supervisor is nearby
- D. It is only allowed for quick stops

Correct Answer: B

132. Who must a driver notify immediately after informing ISO of an MVA or moving violation?

- A. Their family
- B. Their supervisor
- C. The local police
- D. The car rental company

Correct Answer: B

133. What is required for a vehicle to be driven safely at night?

- A. It must be painted white
- B. The vehicle's lighting system (headlights, tail lights) must be fully functional
- C. The driver must wear sunglasses
- D. The driver must drink coffee

Correct Answer: B

134. What must be done before backing up a vehicle (especially heavy equipment)?

- A. Honk the horn once
- B. Use a spotter or ensure the area is clear
- C. Drive fast to reduce backing time
- D. Turn the radio up

Correct Answer: B

135. What must the driver ensure regarding their vision before starting a trip?

- A. That they are wearing sunglasses
- B. That all mirrors and windows are clean and clear
- C. That they have a GPS
- D. That they have a full tank of gas

Correct Answer: B

136. What must be checked regarding the tires before operating an off-road vehicle?

- A. That they are flat
- B. That they are properly inflated and the tread is in good condition
- C. That they are the same color
- D. That they are made in Saudi Arabia

Correct Answer: B

137. What is the requirement for using emergency flashers on a company highway?

- A. To indicate turning
- B. To warn other drivers of a problem or slow speed
- C. To indicate that the driver is resting
- D. To signal a pass

Correct Answer: B

138. What is the rule regarding the use of personal headphones or earbuds while driving?

- A. Allowed for listening to music
- B. Prohibited, as they impede hearing traffic/warnings
- C. Allowed if the music is soft
- D. Only allowed on long drives

Correct Answer: B

139. What must a driver do if they encounter an animal on the road?

- A. Speed up to scare it away
- B. Slow down or stop safely until the animal moves
- C. Honk repeatedly
- D. Drive around it quickly

Correct Answer: B

140. What must be done to prevent an elevated truck bed from dropping unexpectedly while maintenance is being performed?

- A. Place a warning cone
- B. Secure it with chocks or approved locking devices
- C. Place it in neutral
- D. Use a small wooden stick

Correct Answer: B

141. What is the requirement for all vehicles transporting hazardous materials?

- A. They must be painted red
- B. They must be clearly marked with placards and have emergency response information
- C. They must drive very slowly
- D. They must have a flashing light

Correct Answer: B

142. What is the hazard associated with driving a vehicle with an unsecured load?

- A. The load may shift, affecting vehicle stability, or fall off
- B. The vehicle will use more fuel
- C. The air conditioner will fail
- D. The driver will get tired

Correct Answer: A

143. What must be checked before a driver begins an off-road trip, in addition to the vehicle's condition?

- A. The current stock market price
- B. The expected weather and road conditions
- C. The local sports scores
- D. The menu for the day

Correct Answer: B

144. What is the rule regarding exceeding the speed limit to overtake another vehicle?

- A. It is allowed
- B. It is strictly prohibited to exceed the posted speed limit for any reason
- C. It is allowed if the road is empty
- D. It is allowed if the car is new

Correct Answer: B

145. What is the rule regarding passing a school bus that is loading or unloading children?

- A. Pass slowly and cautiously
- B. Stop and wait until the bus moves and the flashers are off
- C. Honk and proceed
- D. Drive on the shoulder to pass

Correct Answer: B

146. What must be done to the parking brake when leaving a vehicle unattended?

- A. Only use it on hills
- B. Always set the parking brake
- C. Ignore it if the vehicle is in gear
- D. Only use wheel chocks

Correct Answer: B

147. What must be installed on all heavy equipment to assist with safe backing up?

- A. A flashing siren
- B. Working reverse alarms (beepers)
- C. A large flag
- D. A water hose

Correct Answer: B

148. What is the rule regarding a driver's possession of a valid Saudi Aramco driver's license?

- A. It is optional for short trips
- B. The driver must possess a valid Saudi Aramco driver's license
- C. Only a national license is required
- D. A permit is enough

Correct Answer: B

149. What is required before driving into an area where visibility is obscured (e.g., fog, dust storm)?

- A. Turn on the high beams
- B. Reduce speed and use appropriate lighting (low beams/fog lights)
- C. Stop and wait for the fog to clear
- D. Follow the car in front closely

Correct Answer: B

150. What is the requirement for the use of reflective markings/tapes on heavy vehicles?

- A. Only on the sides
- B. They must be visible from all sides (360 degrees)
- C. Only on the front
- D. Only on the back

Correct Answer: B

151. What must be done to the vehicle's ignition switch when the driver exits?

- A. It must be left on
- B. The keys must be removed
- C. The keys must be left in the ignition
- D. The radio must be turned off

Correct Answer: B

152. What is the purpose of having two spare tires in an off-road vehicle?

- A. To make the vehicle heavier
- B. To account for potential multiple tire failures in remote areas
- C. To use as a seat
- D. To trade with another driver

Correct Answer: B

153. What is the rule regarding the use of hazard warning lights while driving?

- A. Only use them if the vehicle breaks down
- B. Only use them to indicate a slow or hazardous condition
- C. Use them when turning a corner
- D. Use them in heavy rain

Correct Answer: B

154. What must a driver do if they feel ill or drowsy while driving?

- A. Take a risk and continue
- B. Pull over safely, rest, or seek medical attention
- C. Call the supervisor while driving
- D. Increase speed to finish the trip quickly

Correct Answer: B

155. What is the rule regarding passengers riding in the back of pickup trucks?

- A. Allowed for short distances
- B. Prohibited in the open bed of pickup trucks
- C. Allowed if they hold onto the sides
- D. Only allowed if wearing a helmet

Correct Answer: B

156. Who is responsible for the pre-trip inspection of the vehicle?

- A. The mechanic
- B. The driver
- C. The passenger
- D. The supervisor

Correct Answer: B

157. What is the first action to take when discovering a fire or other emergency?

- A. Call the supervisor
- B. Report the emergency immediately by dialing '911' (Saudi Aramco phone)
- C. Run to the assembly point
- D. Find a fire extinguisher

Correct Answer: B

158. What is the required telephone number to dial from a Saudi Aramco phone for any emergency?

- A. 100
- B. 911
- C. 997
- D. 999

Correct Answer: B

159. What information must you provide when reporting an emergency?

- A. Exact location, nature of the incident, number of injured, and services required
- B. Your home address and date of birth
- C. The nearest gas station location
- D. The weather forecast

Correct Answer: A

160. What is the procedure after an emergency has been reported?

- A. Continue working
- B. Follow local plans, stop work, and proceed safely to the assembly area
- C. Wait for the supervisor's call
- D. Go home immediately

Correct Answer: B

161. What must personnel do once they reach the assembly area during an emergency?

- A. Start a new job
- B. Remain at the assembly area until the 'All Clear' is given
- C. Call family members
- D. Go back to the worksite

Correct Answer: B

162. What is the primary danger associated with Hydrogen Sulfide (H₂S) exposure?

- A. Skin irritation
- B. Asphyxiation and chemical pneumonia
- C. Noise pollution
- D. Mild headache

Correct Answer: B

163. What is the minimum H₂S concentration (ppm) that requires the use of a Self-Contained Breathing Apparatus (SCBA) or airline respirator?

- A. 5 ppm
- B. 10 ppm
- C. 15 ppm
- D. 25 ppm

Correct Answer: B

164. What must be immediately available to workers and standby personnel when H₂S is present in the atmosphere?

- A. A radio
- B. Emergency Escape Breathing Apparatus (EEBA)
- C. A hard hat
- D. A fire extinguisher

Correct Answer: B

165. What is the required action when a high H2S concentration alarm sounds (e.g., area fixed monitor)?

- A. Take a deep breath
- B. Immediately evacuate the area upwind or crosswind
- C. Put on a dust mask
- D. Wait for the supervisor's instruction

Correct Answer: B

166. What must workers always carry when working in a H2S designated area?

- A. A cell phone
- B. A personal H2S gas monitor
- C. A full-face respirator
- D. A whistle

Correct Answer: B

167. What is the primary action required if a worker's clothing becomes contaminated with toxic chemicals (e.g., H2S liquid)?

- A. Wipe it off with a cloth
- B. Move to a safe area, remove the clothing, and decontaminate
- C. Go to the lunch room
- D. Ignore it until the shift ends

Correct Answer: B

168. What is the purpose of the '911' number in Saudi Aramco?

- A. To order food
- B. To report all emergencies (Fire, Medical, Security)
- C. To call the supervisor
- D. To get the weather forecast

Correct Answer: B

169. What is required to be known by all personnel working in an area, in case of an emergency?

- A. The price of oil
- B. The location of the primary and secondary assembly areas
- C. The date of the next meeting
- D. The name of the CEO

Correct Answer: B

170. What must a worker do if they cannot directly contact the AEC via phone?

- A. Radio an operations group that has a telephone and ask them to dial '911'
- B. Wait for the emergency to resolve
- C. Use a smoke signal
- D. Drive to the nearest security gate

Correct Answer: A

171. What is the requirement for all containers of chemicals on site?

- A. They must be painted red
- B. They must be clearly labeled with the chemical name and hazard warnings
- C. They must be stored outside
- D. They must be full

Correct Answer: B

172. What is the primary defense against H₂S exposure when its concentration is below 10 ppm but above 1 ppm?

- A. SCBA use
- B. Proper area ventilation and monitoring
- C. Taking frequent breaks
- D. Drinking water

Correct Answer: B

173. What must the supervisor ensure regarding workers' training in H₂S areas?

- A. That workers have a valid driver's license
- B. That workers are trained in the hazards, detection, and use of emergency equipment for H₂S
- C. That workers are good at math
- D. That workers have a clean uniform

Correct Answer: B

174. When does the H₂S Emergency Escape Breathing Apparatus (EEBA) need to be used?

- A. For routine work
- B. For escape from a hazardous atmosphere, not for entry or working
- C. For cleaning tasks
- D. For long duration work

Correct Answer: B

175. What is the required action if you smell H₂S and your personal monitor has not alarmed?

- A. Assume the monitor is broken and continue work
- B. Immediately evacuate the area and notify others; your sense of smell is not a reliable detector
- C. Check the wind direction
- D. Put on a respirator immediately

Correct Answer: B

176. What must be available at the scene for chemical spill response?

- A. A bucket and mop
- B. Material Safety Data Sheets (MSDS) and spill containment equipment
- C. A large fan
- D. A fire alarm

Correct Answer: B

177. What must be the condition of all vehicles' engines during an emergency shutdown or 'All Stop'?

- A. Left running for a quick getaway
- B. Turned off immediately
- C. Left running only if the driver is inside
- D. Only turned off if there is fire

Correct Answer: B

178. What must a supervisor confirm regarding the work permit before allowing work to resume after an 'All Clear' is given?

- A. That the permit is still valid and conditions are safe
- B. That the permit is destroyed
- C. That the permit is painted yellow
- D. That the workers are back at the assembly point

Correct Answer: A

179. What is the maximum allowed concentration of H₂S for continuous work (8-hour TWA)?

- A. 5 ppm
- B. 10 ppm
- C. 15 ppm
- D. 25 ppm

Correct Answer: A

180. What is the maximum amount of time an individual should be exposed to H2S at 15 ppm (STEL)?

- A. 5 minutes
- B. 15 minutes
- C. 30 minutes
- D. 60 minutes

Correct Answer: B

181. What is the primary goal of the emergency response procedure?

- A. To quickly contain the problem and protect people
- B. To save money
- C. To finish the shift early
- D. To practice drills

Correct Answer: A

182. What must be done immediately after applying first aid to a person exposed to H2S?

- A. Give them water
- B. Move them to fresh air and seek medical attention immediately
- C. Ask them to rest
- D. Ask them to finish their job

Correct Answer: B

183. What is the rule regarding the use of ignition sources in areas where flammable gases might be present (e.g., H2S areas)?

- A. Allowed if the supervisor is watching
- B. Prohibited unless a valid Hot Work Permit is issued
- C. Only allowed if the gas monitor is off
- D. Allowed for short periods

Correct Answer: B

184. What should you do if you hear an emergency alarm but cannot clearly identify the nature of the emergency?

- A. Wait for a formal announcement
- B. Proceed safely to the assembly area
- C. Call the fire department directly
- D. Ignore the alarm if the work is critical

Correct Answer: B

185. What must be ensured regarding safety equipment (e.g., fire extinguishers, EEBA) in an area?

- A. That they are painted red
- B. That they are readily accessible, inspected, and maintained
- C. That they are kept locked up
- D. That they are used for training only

Correct Answer: B

186. What must be done to prevent the mixing of incompatible chemicals?

- A. Store them alphabetically
- B. Store them separately and use proper secondary containment
- C. Store them in the same room
- D. Store them in open containers

Correct Answer: B

187. What is required to be used when handling corrosive chemicals?

- A. Only standard gloves
- B. Appropriate Personal Protective Equipment (PPE), including chemical-resistant gloves and face shields
- C. Only a lab coat
- D. No PPE is needed

Correct Answer: B

188. What is the purpose of a chemical's Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS)?

- A. To list the color of the chemical
- B. To provide detailed information on hazards, handling, and emergency measures
- C. To provide the price of the chemical
- D. To list the ingredients for cooking

Correct Answer: B

189. When should a worker perform a self-check on their H2S monitor?

- A. Only at the end of the shift
- B. Before entering the H2S area (bump test/calibration check)
- C. Only if the battery is low
- D. Never, the monitor is always correct

Correct Answer: B

190. What must be ensured regarding the wind direction when dealing with a gas leak?

- A. Stand downwind
- B. Stay upwind or crosswind from the leak source
- C. Ignore the wind direction
- D. Run towards the leak

Correct Answer: B

191. What is the purpose of the 'All Clear' announcement?

- A. To signal the end of the workday
- B. To indicate that the immediate danger has passed and it is safe to return to the area
- C. To announce a break
- D. To start a fire drill

Correct Answer: B

192. What should you do if you are asked to repeat the emergency message by the AEC operator?

- A. Hang up and call back
- B. Repeat the message clearly
- C. Refuse to repeat it
- D. Ask them to repeat it first

Correct Answer: B

193. Who is responsible for coordinating the return of personnel to the work area after an emergency evacuation?

- A. The security guard
- B. The Saudi Aramco Incident Commander or their delegate
- C. The nearest contractor
- D. The person who first reported the emergency

Correct Answer: B

194. What is the minimum requirement for fire extinguishers in the workplace?

- A. One per floor
- B. They must be the correct type for the hazard and visually inspected monthly
- C. They must be painted red
- D. They must be stored in the office

Correct Answer: B

195. What is the requirement for emergency equipment (EEBA) accessibility in H2S areas?

- A. Stored in a locked cabinet
- B. Readily accessible and in good working order
- C. Kept in the worker's car
- D. Shared between all workers

Correct Answer: B

196. What must be included in the emergency response plan for the worksite?

- A. Phone numbers for the local pizza delivery
- B. Site-specific actions, assembly points, communication protocols, and rescue procedures
- C. A list of favorite songs
- D. The work schedule for the next month

Correct Answer: B

197. What is the required action if a worker finds a container with an unknown substance?

- A. Open it to check the smell
- B. Do not touch it, cordon off the area, and notify the supervisor
- C. Throw it in the trash
- D. Pour it down the drain

Correct Answer: B

198. What must be done with all non-essential activities during an emergency?

- A. Continue them quickly
- B. Stop work immediately
- C. Move them to a different location
- D. Delay them for 5 minutes

Correct Answer: B

199. What is the maximum exposure limit of H2S that is considered Immediately Dangerous to Life or Health (IDLH)?

- A. 10 ppm
- B. 25 ppm
- C. 50 ppm
- D. 100 ppm

Correct Answer: D

200. Who is primarily responsible for ensuring all emergency procedures are communicated to all personnel?

- A. The worker
- B. The supervisor or manager
- C. The security guard
- D. The doctor

Correct Answer: B

201. What is the rule regarding the disposal of hazardous chemical waste?

- A. Dispose of it in the nearest trash bin
- B. Dispose of it according to established Saudi Aramco procedures
- C. Pour it down the toilet
- D. Bury it in the sand

Correct Answer: B

202. What must be ensured regarding the windsock/wind direction indicator in hazardous areas?

- A. That it is clearly visible and functional
- B. That it is painted white
- C. That it is very high up
- D. That it is ignored during an emergency

Correct Answer: A

203. What is the primary danger if a worker enters a confined space without checking for LEL/H2S/O2?

- A. Noise exposure
- B. Asphyxiation, poisoning, or explosion
- C. Falling off a ladder
- D. Getting stuck

Correct Answer: B

204. What must be done to the ventilation system during a chemical release emergency?

- A. Keep it running at full power
- B. Turn it off to prevent spreading the contaminant, unless directed otherwise
- C. Reverse the airflow
- D. Only turn it off if the supervisor says so

Correct Answer: B

205. What is the required minimum pressure for the air cylinder of an Emergency Escape Breathing Apparatus (EEBA)?

- A. 100 psi
- B. 200 psi
- C. 300 psi
- D. The pressure must be checked as per manufacturer's instructions, ensuring it is full/serviceable

Correct Answer: D

206. What is the rule regarding smoking in any hazardous area or refinery/plant?

- A. Allowed in designated smoking areas only
- B. Prohibited in all hazardous areas
- C. Allowed if using a low-flame lighter
- D. Allowed if the wind is blowing

Correct Answer: B

207. What is the primary reason for remaining calm during an emergency?

- A. To ensure a clear thought process for decision-making
- B. To avoid sweating
- C. To look professional
- D. To avoid getting tired

Correct Answer: A

208. What is the required minimum trigger height for fall protection on a construction walking/working surface (not including scaffolds)?

- A. 4 feet (1.2 m)
- B. 6 feet (1.8 m)
- C. 8 feet (2.4 m)
- D. 10 feet (3 m)

Correct Answer: B

209. Guardrail top rails must be capable of withstanding a force of at least how many pounds?

- A. 100 pounds (445 N)
- B. 150 pounds (667 N)
- C. 200 pounds (890 N)
- D. 250 pounds (1112 N)

Correct Answer: C

210. The 'General Duty Clause' requires an employer to provide a workplace free from what?

- A. All possible risks and discomfort.
- B. Recognized hazards causing or likely to cause death or serious physical harm.
- C. Only hazards specifically listed in OSHA standards.
- D. Any work task an employee deems unsafe.

Correct Answer: B

211. When must a means of egress (ladder, ramp, etc.) be provided in a trench excavation?

- A. When the excavation is 2 feet deep or more.
- B. When the excavation is 4 feet deep or more.
- C. When the excavation is 6 feet deep or more.
- D. When the excavation is 8 feet deep or more.

Correct Answer: B

212. In a trench excavation 4 feet or more deep, what is the maximum lateral travel distance to a means of egress?

- A. 15 feet (4.6 m)
- B. 25 feet (7.6 m)
- C. 50 feet (15.2 m)
- D. 100 feet (30.5 m)

Correct Answer: B

213. Excavated material (spoils) must be kept back at least what distance from the edge of the excavation?

- A. 1 foot (0.3 m)
- B. 2 feet (0.6 m)
- C. 3 feet (0.9 m)
- D. 4 feet (1.2 m)

Correct Answer: B

214. Who is responsible for inspecting an excavation site for evidence of a potential cave-in, water accumulation, or material falls prior to the start of work and as needed?

- A. A Qualified Person.
- B. A Registered Professional Engineer.
- C. The Competent Person.
- D. The Site Safety Manager.

Correct Answer: C

215. At what height is fall protection required for employees working on a scaffold?

- A. 4 feet (1.2 m)
- B. 6 feet (1.8 m)
- C. 8 feet (2.4 m)
- D. 10 feet (3 m)

Correct Answer: D

216. What is the minimum height that a toeboard must be to prevent materials from falling from a platform?

- A. 2.5 inches (6.4 cm)
- B. 3.5 inches (8.9 cm)
- C. 4 inches (10.2 cm)
- D. 6 inches (15.2 cm)

Correct Answer: B

217. What is the only acceptable method for protecting employees from ground-faults at a construction site?

- A. Using only Ground-Fault Circuit Interrupters (GFCIs).
- B. Using only an Assured Equipment Grounding Conductor Program (AEGCP).
- C. Using either GFCIs or an AEGCP.
- D. Using only double-insulated tools.

Correct Answer: C

218. Lockout/Tagout (LOTO) procedures are used to prevent the unexpected startup or release of energy from what source?

- A. Electrical power only.
- B. Hydraulic and pneumatic power only.
- C. Any potentially hazardous energy source.
- D. Gravity only.

Correct Answer: C

219. What is the primary purpose of Personal Protective Equipment (PPE)?

- A. To eliminate the hazard from the workplace.
- B. To provide a barrier between the worker and the hazard.
- C. To slow down production for safety.

D. To replace administrative and engineering controls.

Correct Answer: B

220. Where must Safety Data Sheets (SDSs) be maintained for every hazardous chemical on the worksite?

- A. Only in the main office for manager review.
- B. In a central location accessible only to the safety officer.
- C. At the worksite and readily accessible to employees.
- D. Only upon request from the employee.

Correct Answer: C

221. An employer must provide a medical surveillance program for employees exposed to lead at or above the action level for more than how many days per year?

- A. 10 days
- B. 20 days
- C. 30 days
- D. 60 days

Correct Answer: C

222. Who must ensure that a person who has a valid first-aid training certificate is available at the worksite?

- A. The general contractor.
- B. The project owner.
- C. The employer.
- D. The employee union representative.

Correct Answer: C

223. What is the maximum noise level (TWA) that an employee can be exposed to without required hearing protection or inclusion in a Hearing Conservation Program?

- A. 80 dBA
- B. 85 dBA
- C. 90 dBA
- D. 100 dBA

Correct Answer: B

224. Compressed air used for cleaning purposes must be reduced to less than what pressure?

- A. 60 psi

- B. 45 psi
- C. 30 psi
- D. 15 psi

Correct Answer: C

225. When transporting, moving, or storing compressed gas cylinders, what must be in place and secured?

- A. The pressure regulator.
- B. The contents label.
- C. The valve protection cap.
- D. The flash arrestor.

Correct Answer: C

226. How far back must barricades be placed when dropping debris through holes in the floor without chutes?

- A. 4 feet (1.2 m)
- B. 6 feet (1.8 m)
- C. 8 feet (2.4 m)
- D. 10 feet (3 m)

Correct Answer: B

227. What must be provided for air tool hoses exceeding a 1/2-inch inside diameter?

- A. A pressure gauge.
- B. A safety device at the source of supply or branch line.
- C. A whip check only.
- D. A quick-disconnect coupling.

Correct Answer: B

228. For cranes and derricks, who must conduct a visual inspection prior to each shift of use?

- A. A Qualified Person.
- B. The equipment operator.
- C. A Certified Inspector.
- D. A Competent Person.

Correct Answer: D

229. How often must a comprehensive inspection of cranes and derricks be conducted by a qualified person?

- A. Monthly
- B. Every 6 months
- C. At least every 12 months
- D. Only when the crane is relocated

Correct Answer: C

230. What is the primary hazard associated with the improper shoring of trenches and excavations?

- A. Soil erosion.
- B. Traffic disruption.
- C. Cave-ins.
- D. Water accumulation.

Correct Answer: C

231. The maximum travel distance to a fire extinguisher when the primary fuel source is combustible material (Class A hazards) must not exceed what distance?

- A. 50 feet (15.2 m)
- B. 75 feet (22.9 m)
- C. 100 feet (30.5 m)
- D. 250 feet (76.2 m)

Correct Answer: C

232. What must an employer do with doorways or passageways that are not an exit?

- A. Permanently lock them.
- B. Label them to indicate their purpose.
- C. Block them with caution tape.
- D. Paint them red for warning.

Correct Answer: B

233. Prior to demolition, a competent person must make an engineering survey of the structure and the employer must have what?

- A. An environmental impact statement.
- B. Written evidence of the survey.
- C. A new set of architectural drawings.
- D. A worker communication plan.

Correct Answer: B

234. What is the PEL (Permissible Exposure Limit) for crystalline silica (respirable fraction) as an 8-hour TWA?

- A. 50 µg/m³
- B. 100 µg/m³
- C. 150 µg/m³
- D. 250 µg/m³

Correct Answer: A

235. Employees are prohibited from climbing on the edge of the basket or using what to gain a higher working position in an aerial lift?

- A. Ladders, planks, or other devices.
- B. Fall arrest lanyards.
- C. Communication devices.
- D. Harnesses.

Correct Answer: A

236. What is the maximum number of gallons of flammable or combustible liquids that can be stored in a room outside of an approved storage cabinet?

- A. 5 gallons (18.9 L)
- B. 10 gallons (37.9 L)
- C. 25 gallons (94.6 L)
- D. 50 gallons (189.3 L)

Correct Answer: C

237. When a haulage vehicle is backing up in an area where the operator's view is obstructed, what must be provided **in addition**** to a signal person?**

- A. A second operator.
- B. A reverse signal alarm.
- C. A spotter on the vehicle.
- D. A flashing red light.

Correct Answer: B

238. How long must an employer preserve and maintain employee exposure records?

- A. 1 year
- B. 5 years
- C. 20 years
- D. 30 years

Correct Answer: D

239. What is required on an aerial lift basket for employees using a personal fall arrest system?

- A. A retractable lifeline only.
- B. A body belt only.
- C. A fully-secured anchorage point.
- D. A temporary guardrail.

Correct Answer: C

240. What is the minimum working clearance for access to and around electric equipment rated 600 volts or less (nominal)?

- A. 1 foot (0.3 m)
- B. 2 feet (0.6 m)
- C. 3 feet (0.9 m)
- D. 4 feet (1.2 m)

Correct Answer: C

241. When mechanical material handling equipment is used, what is the preferred method for removing loose material from a cutting edge?

- A. Using hands with gloves.
- B. Using a compressed air hose.
- C. Using a scraper, bar, or stick.
- D. Using the equipment's hydraulics.

Correct Answer: C

242. What is the trigger height for fall protection for employees working near an unprotected side or edge during **steel erection?**

- A. 10 feet (3 m)
- B. 15 feet (4.6 m)
- C. 20 feet (6 m)
- D. 30 feet (9.1 m)

Correct Answer: C

243. What must be done immediately if an employee falls into a confined space or enclosed space (like a pit over 4 feet deep)?

- A. Test the atmosphere for hazards.
- B. Attempt a non-entry rescue.

- C. Send a second worker in for rescue.
- D. Call 911 immediately.

Correct Answer: B

244. How must asbestos waste, scrap, debris, bags, and other materials contaminated with asbestos be handled?

- A. Disposed of in standard construction waste containers.
- B. Sealed in labeled, impermeable bags or containers.
- C. Burned in an open drum.
- D. Recycled for use in other materials.

Correct Answer: B

245. What is the only type of sling permitted to be shortened or lengthened by knotting?

- A. Wire rope slings.
- B. Chain slings.
- C. Synthetic web slings.
- D. No type of sling is permitted to be shortened by knotting.

Correct Answer: D

246. The height of a top rail of a guardrail system must be how far above the walking/working level?

- A. 36 inches (0.9 m)
- B. 38 inches (1.0 m)
- C. 42 inches (1.1 m)
- D. 45 inches (1.1 m)

Correct Answer: C

247. What must be provided for employees who are working in areas where they are exposed to injurious corrosive materials?

- A. A barrier cream only.
- B. An eyewash station and flushing facility.
- C. Safety glasses only.
- D. A dedicated water bottle.

Correct Answer: B

248. How long must an employer preserve and maintain employee **medical records?**

- A. 1 year.

- B. 5 years.
- C. 10 years.
- D. Duration of employment plus 30 years.

Correct Answer: D

249. Background data for employee exposure records, such as laboratory reports and work sheets, must be kept for how long?

- A. 1 year.
- B. 5 years.
- C. 10 years.
- D. 30 years.

Correct Answer: A

250. All hoses for air tools exceeding what inside diameter must have a safety device at the source of supply or branch line?

- A. 1/4-inch (0.6 cm)
- B. 1/2-inch (1.3 cm)
- C. 3/4-inch (1.9 cm)
- D. 1-inch (2.5 cm)

Correct Answer: B

251. What is the maximum airborne concentration of asbestos allowed as an 8-hour time-weighted average (TWA)?

- A. 0.5 fibers per cubic centimeter (f/cc)
- B. 0.1 f/cc
- C. 1.0 f/cc
- D. 5.0 f/cc

Correct Answer: B

252. What is the maximum airborne concentration of asbestos allowed as averaged over a sampling period of 30 minutes (STEL)?

- A. 0.5 f/cc
- B. 1.0 f/cc
- C. 5.0 f/cc
- D. 10.0 f/cc

Correct Answer: B

253. Compressed air used for cleaning purposes must be reduced to less than what pressure?

- A. 60 psi (413 kPa)
- B. 45 psi (310 kPa)
- C. 30 psi (207 kPa)
- D. 15 psi (103 kPa)

Correct Answer: C

254. When must cylinder valves on compressed gas cylinders be closed?

- A. Only when being transported.
- B. Only when they are full.
- C. When work is finished and when cylinders are empty or moved.
- D. Only at the end of the shift.

Correct Answer: C

255. Compressed gas cylinders must be kept far enough away from welding or cutting operations so that what will not reach them?

- A. The noise or light.
- B. Sparks, hot slag, or flame.
- C. Other employees.
- D. The power cord.

Correct Answer: B

256. Who is responsible for determining if a concrete structure can support construction loads?

- A. The equipment operator.
- B. The employer, based on information from a person qualified in structural design.
- C. The Competent Person.
- D. The concrete supplier.

Correct Answer: B

257. What is prohibited regarding concrete buckets during elevation or lowering?

- A. Allowing employees to work under them.
- B. Routing them over employees.
- C. Using a crane for elevation.
- D. Filling them completely.

Correct Answer: A

258. What is the required minimum width of a limited access zone established when a masonry wall is being constructed?

- A. The height of the wall.
- B. The height of the wall plus 4 feet (1.2 m).
- C. The height of the wall plus 6 feet (1.8 m).
- D. 10 feet (3 m).

Correct Answer: B

259. An open top space, such as a pit, is considered a confined or enclosed space if it is deeper than what measurement?

- A. 3 feet (0.9 m)
- B. 4 feet (1.2 m)
- C. 5 feet (1.5 m)
- D. 6 feet (1.8 m)

Correct Answer: B

260. Before assembly or use of a crane, ground conditions must be firm, drained, and graded so that they meet what?

- A. OSHA's minimum soil classification.
- B. The project engineer's specifications.
- C. The equipment manufacturer's specifications for adequate support and degree of level.
- D. The local building code requirements.

Correct Answer: C

261. Who must begin a visual inspection of a crane or derrick prior to each shift during which the equipment will be used?

- A. A Certified Inspector.
- B. A Qualified Person.
- C. The equipment operator.
- D. A Competent Person.

Correct Answer: D

262. The requirement for operator qualification or certification does **NOT**** apply to which of the following equipment?**

- A. Cranes with rated hoisting capacity over 5,000 lbs.
- B. Operation of derricks, sideboom cranes, and equipment with a rated hoisting/lifting capacity of 2,000 pounds or less.
- C. Articulating cranes.

D. Tower cranes.

Correct Answer: B

263. Who must make an engineering survey of the structure prior to permitting employees to start demolition operations?

- A. The property owner.
- B. The Competent Person.
- C. A Licensed Structural Engineer.
- D. The Site Safety Manager.

Correct Answer: B

264. Whenever materials are dropped more than what distance to any exterior point of a building, an enclosed chute shall be used?

- A. 10 feet (3 m)
- B. 15 feet (4.6 m)
- C. 20 feet (6 m)
- D. 30 feet (9.1 m)

Correct Answer: C

265. When debris is dropped through floor holes without chutes, how high must the barricades be around the drop area?

- A. 36 inches (0.9 m)
- B. 42 inches (1.1 m)
- C. 48 inches (1.2 m)
- D. 60 inches (1.5 m)

Correct Answer: B

266. What is prohibited regarding drinking water at a place of employment?

- A. Providing bottled water.
- B. Using potable water sources.
- C. Using a common drinking cup.
- D. Providing single service cups.

Correct Answer: C

267. In an Assured Equipment Grounding Conductor Program (AEGCP), how often must continuity tests generally be made on equipment grounding conductors?

- A. Daily.

- B. Weekly.
- C. Every 3 months.
- D. Every 6 months.

Correct Answer: C

268. Portable lighting used in wet or conductive locations must be operated at no more than 12 volts or protected by what device?

- A. An Arc-fault circuit interrupter (AFCI).
- B. A Ground-fault circuit interrupter (GFCI).
- C. A surge protector.
- D. A circuit breaker.

Correct Answer: B

269. Extension cords and flexible cords used with temporary and portable lights must be designed for what type of use?

- A. Light or medium usage.
- B. Hard or extra hard usage.
- C. Commercial or industrial usage.
- D. Only indoor usage.

Correct Answer: B

270. Who must be instructed in the nature of hazards and necessary precautions before entering confined or enclosed spaces?

- A. Only new employees.
- B. Only the supervisor and manager.
- C. All employees required to enter.
- D. Only employees who wear respirators.

Correct Answer: C

271. How far back must excavated material (spoils) be placed from the edge of the excavation or trench?

- A. 1 foot (0.3 m)
- B. 2 feet (0.6 m)
- C. 3 feet (0.9 m)
- D. 4 feet (1.2 m)

Correct Answer: B

272. If a doorway or passageway is **not**** an exit, what is required?**

- A. It must be permanently locked.
- B. It must be barricaded with tape.
- C. It must be labeled to indicate its purpose.
- D. It must be painted red.

Correct Answer: C

273. Smoking or open flames are prohibited within what distance of explosives or blasting agents?

- A. 25 feet (7.6 m)
- B. 50 feet (15.2 m)
- C. 75 feet (22.9 m)
- D. 100 feet (30.5 m)

Correct Answer: B

274. For protection against flying objects, eye protection must provide which of the following?

- A. Anti-fog lenses.
- B. Side protection.
- C. Adjustable straps.
- D. Prescription lenses only.

Correct Answer: B

275. What is the required minimum height of a toeboard used to protect employees from falling objects?

- A. 3 inches (7.6 cm)
- B. 3.5 inches (8.9 cm)
- C. 4 inches (10.2 cm)
- D. 6 inches (15.2 cm)

Correct Answer: B

276. Fire alarms must be provided when the total number of employees on the project reaches or exceeds what number?

- A. 500 employees.
- B. 1,000 employees.
- C. 5,000 employees.
- D. 10,000 employees.

Correct Answer: B

277. What is the maximum quantity of flammable or combustible liquids that may be stored in a room outside of an approved storage cabinet?

- A. 5 gallons (18.9 L)
- B. 15 gallons (56.8 L)
- C. 25 gallons (94.6 L)
- D. 50 gallons (189.3 L)

Correct Answer: C

278. When must Safety Data Sheets (SDSs) be readily accessible to employees?

- A. Only during training sessions.
- B. Only if specifically requested by a regulatory agency.
- C. At all times during their work shift.
- D. Only at the start of the job.

Correct Answer: C

279. Protective helmets designed to reduce electrical shock hazard must be worn when working near or on what?

- A. Excavation equipment.
- B. Hoisted loads.
- C. Motor vehicles.
- D. Energized electrical conductors.

Correct Answer: D

280. When an employee is exposed to noise at or above a 90 dBA 8-hour Time-Weighted Average (TWA), what must the employer ensure?

- A. Administrative controls are in place.
- B. Hearing protectors are provided and used.
- C. Only engineering controls are used.
- D. The employee is transferred to a quieter job.

Correct Answer: B

281. All of the following must be kept cleared from work areas, passageways, and stairs EXCEPT:

- A. Form and scrap lumber with protruding nails.
- B. All other debris.
- C. Personal tools in their designated box.

D. Combustible scrap.

Correct Answer: C

282. A portable ladder used to access an upper landing surface must extend at least how many feet above that surface?

A. 1 foot (0.3 m)

B. 2 feet (0.6 m)

C. 3 feet (0.9 m)

D. 4 feet (1.2 m)

Correct Answer: C

283. Scaffolds must be erected, moved, dismantled, or altered only under the supervision and direction of which person?

A. A Qualified Person.

B. The Project Manager.

C. A Competent Person.

D. A Licensed Engineer.

Correct Answer: C

284. What is the trigger height for fall protection for an employee working on a steel erection site?

A. 6 feet (1.8 m)

B. 10 feet (3 m)

C. 15 feet (4.6 m)

D. 30 feet (9.1 m)

Correct Answer: C

285. When an employee is exposed to injurious corrosive materials, what must the employer provide in the work area?

A. Full body protective suits.

B. A dedicated washing machine.

C. Suitable facilities for quick drenching or flushing of the eyes and body.

D. Respirators with chemical cartridges.

Correct Answer: C

286. In the event of a fatality or the hospitalization of one or more employees from a work-related incident, the employer must report it to OSHA within what timeframe?

- A. 8 hours for fatality; 24 hours for hospitalization.
- B. 24 hours for both.
- C. 48 hours for both.
- D. 7 days for both.

Correct Answer: A

287. What is the minimum vertical distance required between the top edge of a safety net and the walking/working surface?

- A. 5 feet (1.5 m)
- B. 10 feet (3.0 m)
- C. 20 feet (6.1 m)
- D. 30 feet (9.1 m)

Correct Answer: C

288. Safety nets must be drop-tested or inspected by a competent person at least how often?

- A. Daily
- B. Weekly
- C. Every 6 months
- D. Before each new installation and after any repair

Correct Answer: B

289. Ladders used to access an upper landing surface must extend at least what distance above that landing surface?

- A. 1 foot (0.3 m)
- B. 2 feet (0.6 m)
- C. 3 feet (0.9 m)
- D. 4 feet (1.2 m)

Correct Answer: C

290. Non-self-supporting ladders (like extension ladders) should be used at an angle where the horizontal distance from the base to the support is approximately what ratio of the working length of the ladder?

- A. 1:2
- B. 1:3
- C. 1:4
- D. 1:6

Correct Answer: C

291. When must an employee wear a protective helmet designed to reduce electrical shock hazard?

- A. Only when raining.
- B. Only when working directly on energized conductors.
- C. When working near or on energized electrical conductors or conductors which could be energized.
- D. Only when the employer provides one.

Correct Answer: C

292. What is the maximum travel distance to a fire extinguisher intended for flammable liquid fires (Class B hazards)?

- A. 50 feet (15.2 m)
- B. 75 feet (22.9 m)
- C. 100 feet (30.5 m)
- D. 250 feet (76.2 m)

Correct Answer: A

293. What is the minimum distance required between a boom or load of a crane/derrick and power lines rated from 50 kV to 200 kV?

- A. 10 feet (3.0 m)
- B. 15 feet (4.6 m)
- C. 20 feet (6.1 m)
- D. 30 feet (9.1 m)

Correct Answer: B

294. When welding, cutting, or heating is performed on a surface coated with toxic preservatives (like zinc, lead, or cadmium), what level of ventilation is generally required?

- A. Local exhaust ventilation.
- B. Only general mechanical ventilation.
- C. No ventilation if the work is outdoors.
- D. A positive pressure respirator only.

Correct Answer: A

295. A fire watch must be maintained for at least how long after welding or cutting operations are completed if fire hazards are present?

- A. 15 minutes.
- B. 30 minutes.

- C. 1 hour.
- D. Until the next shift begins.

Correct Answer: B

296. The Controlled Decking Zone (CDZ) is an area established in steel erection where workers can work without fall protection if the working surface is no more than how many feet above the next lower level?

- A. 15 feet (4.6 m)
- B. 30 feet (9.1 m)
- C. 40 feet (12.2 m)
- D. 50 feet (15.2 m)

Correct Answer: C

297. What is the required maximum slope for stable rock in an excavation?

- A. Vertical (90 degrees)
- B. 3/4H:1V (53 degrees)
- C. 1H:1V (45 degrees)
- D. 1.5H:1V (34 degrees)

Correct Answer: A

298. For Type A soil in an excavation, what is the maximum allowable slope for shoring or benching?

- A. Vertical (90 degrees)
- B. 3/4H:1V (53 degrees)
- C. 1H:1V (45 degrees)
- D. 1.5H:1V (34 degrees)

Correct Answer: B

299. What is required for mechanical equipment that is primarily mobile and intended to be used for lifting or hoisting construction loads?

- A. A registered professional engineer's stamp.
- B. A load-indicating device (or load chart).
- C. A permanently attached spotter.
- D. A satellite tracking device.

Correct Answer: B

300. When temporary wiring is installed, what must be provided at the source of power or the beginning of each temporary branch circuit?

- A. A safety ground only.
- B. A grounding rod only.
- C. A means of disconnecting and overcurrent protection.
- D. A GFCI only.

Correct Answer: C

301. For motor-operated equipment, a means of disconnecting the motor and the driven machinery from the power source must be located within what proximity of the motor controller?

- A. Within the building.
- B. Within sight of the motor controller.
- C. No specific requirement.
- D. At the main panel only.

Correct Answer: B

302. Material piles must be kept at least how far back from railroad tracks?

- A. 4 feet (1.2 m)
- B. 6 feet (1.8 m)
- C. 8 feet (2.4 m)
- D. 10 feet (3.0 m)

Correct Answer: B

303. How high can brick stacks be piled without taper or restraint?

- A. 4 feet (1.2 m)
- B. 5 feet (1.5 m)
- C. 7 feet (2.1 m)
- D. 10 feet (3.0 m)

Correct Answer: D

304. Who must instruct an employee in the safe use and operation of a powder-actuated tool?

- A. Any co-worker who has used the tool.
- B. A Qualified Person who has been trained by the manufacturer or authorized representative.
- C. The employee's direct supervisor.
- D. A Competent Person.

Correct Answer: B

305. The employer must provide what for pneumatic tools to prevent the attachment from being accidentally expelled?

- A. A gauge.
- B. A retaining device.
- C. A shutoff valve.
- D. A check valve.

Correct Answer: B

306. When are employers required to institute a hazard communication program (HazCom)?

- A. Only when using chemicals with a PEL.
- B. Only when required by a government inspector.
- C. Whenever employees are exposed to hazardous chemicals.
- D. Only for chemicals stored in large drums.

Correct Answer: C

307. If a change in a work area exposes an employee to a new chemical hazard, when must additional training be provided?

- A. Only during the annual training review.
- B. Before the employee starts work in that area.
- C. Within 30 days of the exposure.
- D. Only if the employee requests it.

Correct Answer: B

308. When employees work in a trench excavation where water is accumulating, what must be done to protect employees?

- A. Provide waterproof boots only.
- B. Use shoring only.
- C. Use special support or shield systems, or remove the water.
- D. Pump the water out at the end of the shift.

Correct Answer: C

309. A Competent Person must inspect scaffolds and scaffold components at what frequency?

- A. Before each work shift and after any occurrence that could affect structural integrity.
- B. Weekly, only if in continuous use.
- C. Monthly, with a signed report.
- D. Only before initial use.

Correct Answer: A

310. For scaffolds taller than 4:1 base dimension ratio, what is required?

- A. A permit from the local authority.
- B. A qualified person's design.
- C. A Competent Person to supervise use.
- D. Additional planking on all sides.

Correct Answer: B

311. What is the maximum distance between tie-ins for a scaffold that is 3 feet wide?

- A. 20 feet (6.1 m) horizontally and 26 feet (7.9 m) vertically.
- B. 25 feet (7.6 m) horizontally and 30 feet (9.1 m) vertically.
- C. 30 feet (9.1 m) horizontally and 36 feet (11.0 m) vertically.
- D. 40 feet (12.2 m) horizontally and 42 feet (12.8 m) vertically.

Correct Answer: D

312. When employees are permitted to work beneath suspended loads, what must they be wearing?

- A. No specific requirement.
- B. A Class E protective helmet.
- C. A personal fall arrest system.
- D. An approved hard hat.

Correct Answer: D

313. Stairways having four or more risers or rising more than 30 inches (76 cm) must be equipped with what?

- A. Non-slip treads.
- B. Guardrails and handrails.
- C. Flashing warning lights.
- D. Emergency exit signs.

Correct Answer: B

314. Portable electric hand tools must be equipped with one of the following, EXCEPT:

- A. A three-wire cord with ground.
- B. Double insulation.
- C. A quick-disconnect coupling.

D. Powered by a low voltage isolation transformer.

Correct Answer: C

315. What must be provided for employees required to work in areas where they are exposed to injurious corrosive materials?

- A. Barrier creams only.
- B. Suitable facilities for quick drenching or flushing of the eyes and body.
- C. A first aid kit with only bandages.
- D. Goggles and a face shield only.

Correct Answer: B

316. What is the minimum illumination intensity required for general construction areas, concrete placement, excavations, and waste areas?

- A. 2 foot-candles (22 lux)
- B. 5 foot-candles (54 lux)
- C. 10 foot-candles (108 lux)
- D. 20 foot-candles (215 lux)

Correct Answer: A

317. Toilet facilities are required for every what number of employees on a construction site?

- A. 20 or fewer.
- B. 30 or fewer.
- C. 40 or fewer.
- D. 50 or fewer.

Correct Answer: C

318. Who is responsible for determining if a confined space is a Permit-Required Confined Space (PRCS)?

- A. The employer.
- B. The Competent Person.
- C. The project owner.
- D. The employee who will enter.

Correct Answer: A

319. What is the maximum height a free-standing wall or chimney can be demolished above the floor or grade immediately below it?

- A. One story or 12 feet (3.7 m)

- B. Two stories or 25 feet (7.6 m)
- C. Three stories or 30 feet (9.1 m)
- D. No more than 40 feet (12.2 m)

Correct Answer: A

320. When must Rollover Protective Structures (ROPS) and seat belts be provided on material handling equipment?

- A. Only when operating on slopes.
- B. Only on new equipment manufactured after 1999.
- C. On all rubber-tired, self-propelled scrapers, front-end loaders, dozers, and graders.
- D. On skid steer loaders only.

Correct Answer: C

321. Explosives and blasting agents should not be stored in magazines where the temperature exceeds what maximum temperature?

- A. 80°F (27°C)
- B. 100°F (38°C)
- C. 120°F (49°C)
- D. 150°F (66°C)

Correct Answer: C

322. What is the primary method of controlling bloodborne pathogens (BBP) exposure in construction?

- A. Universal precautions.
- B. Providing free vaccinations.
- C. Using disposable needles.
- D. Mandatory HIV testing.

Correct Answer: A

323. Who is permitted to operate the controls of a crane/derrick while the load is moving?

- A. Any trained worker.
- B. Only the qualified operator or a trainee under the direct supervision of the operator.
- C. A Competent Person only.
- D. The signal person.

Correct Answer: B

324. What is the minimum height required for a guardrail top rail above the walking/working surface?

- A. 39 inches (1.0 m)
- B. 42 inches (1.1 m)
- C. 45 inches (1.1 m)
- D. 48 inches (1.2 m)

Correct Answer: B

325. How often must a Competent Person visually inspect all fall arrest system components?

- A. Monthly.
- B. Quarterly.
- C. Prior to each use.
- D. Only after a fall.

Correct Answer: C

326. All temporary openings in floors, roofs, and other walking/working surfaces must be protected by what?

- A. A Competent Person standing guard.
- B. A sign warning of the hazard.
- C. A guardrail system, a toeboard, or a cover.
- D. Caution tape only.

Correct Answer: C

327. What is the maximum distance a safety net may be placed below the walking/working level?

- A. 10 feet (3.0 m)
- B. 20 feet (6.1 m)
- C. 30 feet (9.1 m)
- D. 40 feet (12.2 m)

Correct Answer: C

328. The maximum travel distance to a fire extinguisher intended for ordinary combustible material fires (Class A) must not exceed what distance?

- A. 50 feet (15.2 m)
- B. 75 feet (22.9 m)
- C. 100 feet (30.5 m)
- D. 150 feet (45.7 m)

Correct Answer: C

329. When must an employer conduct an air monitoring survey before starting demolition operations?

- A. If the building is over 50 years old.
- B. If hazardous materials like asbestos or lead are present.
- C. Before every single demolition job.
- D. Only if employees complain.

Correct Answer: B

330. What is the maximum allowable slope for a trench excavation in Type B soil (e.g., granular cohesionless soils)?

- A. Vertical (90 degrees)
- B. 3/4H:1V (53 degrees)
- C. 1H:1V (45 degrees)
- D. 1.5H:1V (34 degrees)

Correct Answer: C

331. Who must conduct the inspection of shoring, sloping, and shielding in an excavation or trench?

- A. A Qualified Person.
- B. The Project Manager.
- C. A Competent Person.
- D. An OSHA Compliance Officer.

Correct Answer: C

332. What must be provided on all power-operated hoisting machines, such as cranes, to ensure the load capacity is not exceeded?

- A. A flashing light.
- B. A load-indicating device or load chart.
- C. A wind speed anemometer.
- D. A permanent fire watch.

Correct Answer: B

333. How often must an employer generally inspect the condition of all portable hand tools?

- A. Daily.
- B. Weekly.

- C. Monthly.
- D. Quarterly.

Correct Answer: A

334. What is the only type of portable ladder that can be used as a structural member on a scaffold?

- A. Fiberglass ladder.
- B. Aluminum ladder.
- C. Wooden ladder.
- D. No portable ladder can be used as a structural member.

Correct Answer: D

335. What is the minimum working clearance required in front of electric equipment rated 600 volts or less (nominal)?

- A. 1 foot (0.3 m)
- B. 2 feet (0.6 m)
- C. 3 feet (0.9 m)
- D. 4 feet (1.2 m)

Correct Answer: C

336. What must be done to prevent accidental or unintended operation of electric hand tools when they are not in use?

- A. Plugged in and ready to go.
- B. Disconnected from the power source.
- C. Stored in a locked cabinet.
- D. Painted with a non-conductive color.

Correct Answer: B

337. Who is responsible for determining if a work area is a Confined Space and for establishing a program to ensure employee safety?

- A. The employee safety committee.
- B. The property owner.
- C. The employer.
- D. The local fire department.

Correct Answer: C

338. What is the minimum required distance between a crane boom/load and power lines rated up to 50 kV?

- A. 5 feet (1.5 m)
- B. 10 feet (3.0 m)
- C. 15 feet (4.6 m)
- D. 20 feet (6.1 m)

Correct Answer: B

339. Which of the following must be provided for employees working in areas where they are exposed to injurious corrosive materials?

- A. A water bottle.
- B. A full-face respirator.
- C. Suitable facilities for quick drenching or flushing of the eyes and body.
- D. Sunscreen.

Correct Answer: C

340. What is the maximum height a free-standing masonry wall or chimney can be before demolition must begin from the top down?

- A. 6 feet (1.8 m)
- B. 8 feet (2.4 m)
- C. 12 feet (3.7 m)
- D. 16 feet (4.9 m)

Correct Answer: C

341. The employer must maintain a written certification record for all aerial lift operators, including what key piece of information?

- A. The name of the operator, date of training, and signature of the person certifying the training.
- B. The operator's birth date and address.
- C. The vehicle identification number (VIN).
- D. The operator's driver's license number.

Correct Answer: A

342. What is the required minimum height of the top rail of a guardrail system on a scaffold?

- A. 36 inches (0.9 m)
- B. 38 inches (1.0 m)
- C. 42 inches (1.1 m)
- D. 45 inches (1.1 m)

Correct Answer: C

343. During a concrete pour, the employer must ensure that employees are not permitted to work where?

- A. Below the formwork being poured.
- B. More than 10 feet from a road.
- C. Without a second person present.
- D. On the formwork.

Correct Answer: A

344. How often must Safety Data Sheets (SDSs) be reviewed and updated by the employer?

- A. Annually.
- B. Whenever the chemical manufacturer changes the information.
- C. Every 5 years.
- D. Only upon request from an employee.

Correct Answer: B

345. What is the minimum height (unprotected side or edge) on a roof where fall protection is required?

- A. 4 feet (1.2 m)
- B. 6 feet (1.8 m)
- C. 8 feet (2.4 m)
- D. 10 feet (3 m)

Correct Answer: B

346. What must be provided for employees exposed to noise at or above an 8-hour TWA of 85 dBA?

- A. Annual physical exams.
- B. A Hearing Conservation Program.
- C. A mandatory transfer to a quieter job.
- D. Only ear plugs upon request.

Correct Answer: B

347. How often must continuity tests be performed on equipment grounding conductors under an Assured Equipment Grounding Conductor Program (AEGCP)?

- A. Daily.
- B. Weekly.

- C. Every 3 months.
- D. Annually.

Correct Answer: C

348. What is required to prevent the attachment from being accidentally expelled from a pneumatic tool?

- A. A pressure regulator.
- B. A safety clip or retaining device.
- C. A shutoff valve.
- D. An ergonomic grip.

Correct Answer: B

349. When must welding, cutting, or heating equipment be disconnected from the power source?

- A. During breaks and lunch.
- B. When not in use, before servicing, and when accessories are changed.
- C. Only at the end of the shift.
- D. When the equipment is getting too hot.

Correct Answer: B

350. What must an employer do with materials that are stored near railroad tracks?

- A. Stack them no higher than 10 feet.
- B. Keep them at least 6 feet (1.8 m) from the tracks.
- C. Cover them with a tarp.
- D. Secure them with nylon straps.

Correct Answer: B

351. What is the purpose of establishing a 'Limited Access Zone' during the construction of a masonry wall?

- A. To restrict non-essential personnel from the area below the wall.
- B. To control the entry of supervisors.
- C. To provide a clear path for vehicles.
- D. To monitor air quality near the wall.

Correct Answer: A

352. What must be done to reduce the risk of cave-ins when a trench excavation is made in Type C soil?

- A. Vertical walls are allowed up to 20 feet.
- B. The trench must be sloped, shored, or shielded.
- C. Water must be added to the soil.
- D. It must be backfilled immediately.

Correct Answer: B

353. What must all confined or enclosed spaces (like pits over 4 feet deep) have before employees enter?

- A. A dedicated ventilation system.
- B. A Competent Person standing outside.
- C. Instructions on hazards and necessary precautions for entry.
- D. A full-time guard.

Correct Answer: C

354. Before an employee operates a powered industrial truck (forklift), the employer must ensure the employee has completed what?

- A. A written exam only.
- B. Only on-the-job training.
- C. A combination of formal instruction, practical training, and evaluation.
- D. A 10-hour OSHA training course.

Correct Answer: C

355. What is the maximum vertical distance between tie-ins for a scaffold that is 3 feet wide or less?

- A. 20 feet (6.1 m)
- B. 26 feet (7.9 m)
- C. 30 feet (9.1 m)
- D. 40 feet (12.2 m)

Correct Answer: B

356. When is an employer required to report a work-related inpatient hospitalization, amputation, or loss of an eye to OSHA?

- A. Within 8 hours.
- B. Within 24 hours.
- C. Within 7 days.
- D. Within 30 days.

Correct Answer: B

357. What is the maximum number of employees that can use a single toilet facility on a construction site?

- A. 10
- B. 20
- C. 30
- D. 40

Correct Answer: B

358. When must all components of a personal fall arrest system (harness, lanyard, anchor) be inspected?

- A. Annually by a Qualified Person.
- B. Prior to each use.
- C. Weekly by the site safety manager.
- D. After any near-miss incident.

Correct Answer: B

359. What is the minimum height of a toeboard required to protect workers below from falling objects?

- A. 2 inches (5.1 cm)
- B. 3.5 inches (8.9 cm)
- C. 4 inches (10.2 cm)
- D. 6 inches (15.2 cm)

Correct Answer: B

360. What kind of lighting is required for stairways, ramps, and storage areas during working hours?

- A. Ambient light only.
- B. 2 foot-candles (22 lux) of illumination.
- C. 5 foot-candles (54 lux) of illumination.
- D. 10 foot-candles (108 lux) of illumination.

Correct Answer: B

361. What should be provided for an employee using prescription lenses if there is a hazard from flying objects?

- A. A neck strap for the glasses.
- B. Eye protection that provides side protection.

- C. A clear face shield only.
- D. A prescription safety helmet.

Correct Answer: B

362. What must be removed from form and scrap lumber before being stacked or used in construction?

- A. All paint.
- B. All dirt and debris.
- C. All protruding nails.
- D. All manufacturer stamps.

Correct Answer: C

363. When a haulage vehicle is backing up, the employer must provide a signal person OR what safety device?

- A. A brightly colored flag.
- B. A rearview mirror.
- C. A reverse signal alarm audible above the surrounding noise level.
- D. A camera system.

Correct Answer: C

364. How often must a Qualified Person inspect the components of a personal fall arrest system?

- A. Daily.
- B. Weekly.
- C. Semi-annually.
- D. Annually.

Correct Answer: C

365. What must be done with flexible cords used for temporary or portable lights?

- A. They must be painted yellow.
- B. They must be designed for hard or extra hard usage.
- C. They must be protected by a Class A GFCI.
- D. They must be rated for low voltage (12 volts).

Correct Answer: B

366. What is the minimum overlap required for two adjacent planks on a scaffold platform?

- A. 6 inches (15 cm)

- B. 8 inches (20 cm)
- C. 10 inches (25 cm)
- D. 12 inches (30 cm)

Correct Answer: C

367. What is the required minimum height of a toeboard used for protection from falling materials?

- A. 2 inches (5.1 cm)
- B. 3.5 inches (8.9 cm)
- C. 4 inches (10.2 cm)
- D. 6 inches (15.2 cm)

Correct Answer: B

368. What is the maximum allowed slope for a trench excavation in **Type C soil?**

- A. Vertical (90 degrees)
- B. 3/4H:1V (53 degrees)
- C. 1H:1V (45 degrees)
- D. 1.5H:1V (34 degrees)

Correct Answer: D

369. What is the maximum distance a haulage vehicle can be backed up when the operator's view is obstructed without a spotter, if a reverse signal alarm is used?

- A. 10 feet (3.0 m)
- B. 25 feet (7.6 m)
- C. 50 feet (15.2 m)
- D. There is no maximum distance if an audible alarm is used.

Correct Answer: D

370. What must be provided for employees when working in areas exposed to injurious corrosive materials?

- A. Safety glasses only.
- B. A dedicated water bottle.
- C. Suitable facilities for quick drenching or flushing of the eyes and body.
- D. A non-corrosive work uniform.

Correct Answer: C

371. How often must a Competent Person inspect all fall arrest system components?

- A. Daily.
- B. Prior to each use.
- C. Weekly.
- D. Semi-annually.

Correct Answer: B

372. What is the maximum number of employees that can be served by a single toilet facility on a construction site?

- A. 15
- B. 20
- C. 30
- D. 40

Correct Answer: B

373. The height of the top rail of a guardrail system on a scaffold must be between what range above the platform surface?

- A. 34-38 inches (86-97 cm)
- B. 38-45 inches (97-114 cm)
- C. 42-48 inches (107-122 cm)
- D. 45-50 inches (114-127 cm)

Correct Answer: B

374. What is the minimum clearance required between a crane boom/load and power lines rated from 50 kV to 200 kV?

- A. 10 feet (3.0 m)
- B. 15 feet (4.6 m)
- C. 20 feet (6.1 m)
- D. 25 feet (7.6 m)

Correct Answer: B

375. Which of the following must be provided for all temporary openings in floors, roofs, and other walking/working surfaces?

- A. Caution tape only.
- B. A Competent Person standing guard.
- C. A guardrail system, a toeboard, or a cover.
- D. An orange flag.

Correct Answer: C

376. What is the required minimum horizontal distance that excavated material (spoils) must be placed from the edge of the excavation?

- A. 1 foot (0.3 m)
- B. 2 feet (0.6 m)
- C. 3 feet (0.9 m)
- D. 4 feet (1.2 m)

Correct Answer: B

377. What is the maximum lateral travel distance employees can go to reach a means of egress (ladder, ramp) in a trench excavation 4 feet or more deep?

- A. 15 feet (4.6 m)
- B. 25 feet (7.6 m)
- C. 50 feet (15.2 m)
- D. 75 feet (22.9 m)

Correct Answer: B

378. What is required to be maintained and readily accessible to employees at all times during their work shift when hazardous chemicals are present?

- A. Only a list of all chemicals.
- B. Safety Data Sheets (SDSs).
- C. The original shipping containers.
- D. Only the written training manual.

Correct Answer: B

379. How long must an employer preserve and maintain employee **exposure records and data analyses based on them?**

- A. 1 year.
- B. 5 years.
- C. 10 years.
- D. 30 years.

Correct Answer: D

380. What is the required reporting window for a work-related fatality to be reported to OSHA?

- A. Within 8 hours.
- B. Within 24 hours.
- C. Within 7 days.

D. Within 30 days.

Correct Answer: A

381. Compressed air used for cleaning purposes must be reduced to less than what pressure and used only with effective chip guarding and PPE?

A. 60 psi (413 kPa)

B. 45 psi (310 kPa)

C. 30 psi (207 kPa)

D. 15 psi (103 kPa)

Correct Answer: C

382. What is the maximum number of gallons of flammable or combustible liquids that can be stored in a room outside of an approved storage cabinet?

A. 10 gallons (37.9 L)

B. 25 gallons (94.6 L)

C. 50 gallons (189.3 L)

D. 100 gallons (378.5 L)

Correct Answer: B

383. Who is responsible for ensuring that a person who has a valid first-aid training certificate is available at the worksite?

A. The lead foreman.

B. The employer.

C. The project owner.

D. The site safety manager only.

Correct Answer: B

384. Portable electric hand tools must be protected by which of the following methods, EXCEPT:

A. A three-wire cord with ground.

B. Double insulation.

C. A quick-disconnect coupling.

D. A low voltage isolation transformer.

Correct Answer: C

385. What is the minimum illumination intensity required for general construction areas, concrete placement, excavations, and waste areas?

- A. 2 foot-candles (22 lux)
- B. 5 foot-candles (54 lux)
- C. 10 foot-candles (108 lux)
- D. 20 foot-candles (215 lux)

Correct Answer: A

386. What is the required minimum height that a portable ladder must extend above an upper landing surface?

- A. 1 foot (0.3 m)
- B. 2 feet (0.6 m)
- C. 3 feet (0.9 m)
- D. 4 feet (1.2 m)

Correct Answer: C

387. When must Rollover Protective Structures (ROPS) and seat belts be provided on material handling equipment?

- A. Only when operating on slopes.
- B. Only on equipment over 5 tons.
- C. On all rubber-tired, self-propelled scrapers, front-end loaders, dozers, and graders.
- D. Only on new equipment.

Correct Answer: C

388. Who must instruct an employee in the safe use and operation of a powder-actuated tool?

- A. The supervisor.
- B. A Qualified Person trained by the manufacturer or an authorized representative.
- C. The Competent Person.
- D. Any experienced co-worker.

Correct Answer: B

389. What is the maximum slope allowed for a trench excavation in **Type A soil?**

- A. Vertical (90 degrees)
- B. 3/4H:1V (53 degrees)
- C. 1H:1V (45 degrees)
- D. 1.5H:1V (34 degrees)

Correct Answer: B

390. If a doorway or passageway is **not an exit, what is the required action?**

- A. It must be permanently locked.
- B. It must be barricaded with tape.
- C. It must be labeled to indicate its purpose.
- D. It must be painted red.

Correct Answer: C

391. Smoking or open flames are prohibited within what distance of explosives or blasting agents?

- A. 25 feet (7.6 m)
- B. 50 feet (15.2 m)
- C. 75 feet (22.9 m)
- D. 100 feet (30.5 m)

Correct Answer: B

392. How often must a comprehensive inspection of cranes and derricks be conducted by a qualified person?

- A. Monthly.
- B. Every 6 months.
- C. At least every 12 months.
- D. Only after repairs.

Correct Answer: C

393. What must be provided for portable lighting used in wet or conductive locations?

- A. A dedicated ground wire.
- B. Operation at no more than 12 volts or protection by a GFCI.
- C. A double-insulated bulb.
- D. An explosion-proof housing.

Correct Answer: B

394. What materials must be removed from form and scrap lumber before being stacked or used in construction?

- A. All paint.
- B. All dirt.
- C. All protruding nails.
- D. All manufacturer stamps.

Correct Answer: C

395. When must workers wear protective helmets designed to reduce electrical shock hazard?

- A. Only when raining.
- B. When working near or on energized electrical conductors.
- C. Only when welding.
- D. At all times on the job site.

Correct Answer: B

396. What is the maximum height a free-standing wall or chimney can be before demolition must begin from the top down?

- A. 8 feet (2.4 m)
- B. 10 feet (3.0 m)
- C. One story or 12 feet (3.7 m)
- D. Two stories or 20 feet (6.1 m)

Correct Answer: C

397. What is the primary method of controlling bloodborne pathogens (BBP) exposure in construction?

- A. Providing free BBP vaccinations.
- B. Using Universal Precautions.
- C. Mandatory employee testing.
- D. Restricting site access to certified personnel.

Correct Answer: B

398. What must be done immediately if an employee falls into a confined space or enclosed space (like a pit over 4 feet deep)?

- A. Test the atmosphere for hazards.
- B. Attempt a non-entry rescue.
- C. Send a second worker in for rescue.
- D. Call 911 immediately.

Correct Answer: B

399. Who must conduct the visual inspection of a crane or derrick prior to **each shift**** it will be used?**

- A. A Qualified Person.
- B. The equipment operator.
- C. A Certified Inspector.
- D. A Competent Person.

Correct Answer: D

400. How far back must barricades be placed when dropping debris through holes in the floor without chutes?

- A. 4 feet (1.2 m)
- B. 6 feet (1.8 m)
- C. 8 feet (2.4 m)
- D. 10 feet (3 m)

Correct Answer: B

401. What is the minimum height (unprotected side or edge) on a walking/working surface (except scaffolds and steel erection) where fall protection is required?

- A. 4 feet (1.2 m)
- B. 6 feet (1.8 m)
- C. 8 feet (2.4 m)
- D. 10 feet (3 m)

Correct Answer: B

402. What must be provided for all power-operated hoisting machines to prevent overcapacity loads?

- A. A counterweight.
- B. A load-indicating device or load chart.
- C. A dedicated signal person.
- D. An automatic shutdown.

Correct Answer: B

403. What is the minimum working clearance required in front of electric equipment rated 600 volts or less (nominal)?

- A. 1 foot (0.3 m)
- B. 2 feet (0.6 m)
- C. 3 feet (0.9 m)
- D. 4 feet (1.2 m)

Correct Answer: C

404. What is the minimum illumination intensity required for first aid stations and infirmaries?

- A. 5 foot-candles (54 lux)
- B. 10 foot-candles (108 lux)

- C. 20 foot-candles (215 lux)
- D. 50 foot-candles (538 lux)

Correct Answer: C

405. Employees exposed to noise at or above an 8-hour TWA of 85 dBA must be included in what program?

- A. A respiratory protection program.
- B. A Hearing Conservation Program.
- C. An air monitoring program.
- D. A bloodborne pathogen program.

Correct Answer: B

406. Who is responsible for determining if a concrete structure can support construction loads?

- A. The equipment operator.
- B. The employer, based on information from a person qualified in structural design.
- C. The Competent Person.
- D. The concrete supplier.

Correct Answer: B

407. When must an employer provide training to an employee on a new chemical hazard?

- A. Annually.
- B. Before the employee starts work in that area.
- C. Within 30 days of the exposure.
- D. Only if the employee requests it.

Correct Answer: B
