

Construction Electrician Level IV (CON/Q0603)



Question Bank – Construction Electrician Level-4

Theory Questions

CON/N0608: Lay (single/ three phases) cable and install equipment at construction sites devices relevant to construction electrical works

1. The insulating material for a cable should have: (Easy)
 - a. Low cost
 - b. High mechanical strength
 - c. High dielectric strength
 - d. All of the above
2. Which of the following materials is not used for transmission and distribution of electrical power? (Easy)
 - a. Copper
 - b. Tungsten
 - c. Steel
 - d. Aluminum
3. If a 12 volt battery supplies 0.15 ampere to a circuit's resistance is? (Tough)
 - a. 0.15 ohm
 - c. 12 ohm
 - b. 1.8 ohm
 - d. 80 ohm
4. This is needed to cause a current of 200 mA to in a lamp of 25 ohm resistance. (Medium)
 - a. 5 volt
 - b. 8 volt
 - c. 175 volt
 - d. 225 volt
5. A straight line symbol shows the (Easy)
 - a. Fuse
 - c. Connecting lead
 - b. Diode
 - d. Switch
6. In case of these core flexible cable the colors of the neutral is (Easy)
 - a. Blue
 - b. black
 - c. Brown
 - d. none of the above
7. The advantage of cable overhead transmission lines is. (Medium)
 - a. Easy maintenance
 - b. Low cost
 - c. Can be used in congested areas
 - d. Can be used in high voltage circuits
8. The thickness of the layer of insulation on the conductor, in cable, depends upon (Medium)
 - a. Reactive power
 - b. Power factor
 - c. Voltage
 - d. current carrying capacity

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9. Which type of cable is used for underground service connections? (Tough)
- a. Low tension 3 ¼ core cable
 - b. Low tension 3 ½ core cable
 - c. Low tension 2 ¼ core cable
 - d. Low tension 2 ½ core cable
10. What is the formula to calculate the number of poles required in LT line distribution? (Tough)
- a. Length / Span + 1
 - b. Length / Span + 10
 - c. Span / Length + 1
 - d. Span / Length + 10
11. What should be the height of the 'Roof Pole'? (Easy)
- a. Less than 5m
 - b. Less than 3m
 - c. More than 3m
 - d. More than 10m
12. What is the multiplication factor used for the determination of maximum current carrying capacity of an 11 kV line? (Medium)
- a. 0.88
 - b. 0.95
 - c. 0.9
 - d. 0.8
13. What should be the minimum clearance for laying power cables near communication lines? (Medium)
- a. 0.2 m horizontally and vertically
 - b. 0.6 m horizontally and vertically
 - c. 1 m horizontally and vertically
 - d. 1.5 m horizontally and vertically
14. Which test(s) is / are conducted after completion of erection of 11 kV line but before energisation of lines? (Tough)
- a. Conductor continuity tests
 - b. Earth resistance tests
 - c. Insulation resistance tests
 - d. Both (a) & (c)
 - e. All of these
15. What should be the minimum insulation resistance of a 11 kV line when tested with a 1000 v Megger? (Easy)
- a. 10 kV
 - b. 50 kV
 - c. 33 kV
 - d. 120 kV
16. What is the empirical formula employed for the determination of spacing of conductors in case of aluminum conductors? (Medium)
- a. $\sqrt{S + V / 100}$
 - b. $\sqrt{S + 120 / V}$
 - c. $\sqrt{S + V / 150}$
 - d. $\sqrt{S + V / 1 \text{ kV}}$
17. What is the angle between the pole and stay? (Tough)
- a. 30 °
 - b. 45 °
 - c. 60 °
 - d. 10 °
18. What should be the spacing between the two conductors if the working voltage is 11 kV? (Medium)

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- a. 76 mm
 - b. 101 mm
 - c. 190 mm
 - d. 250 mm
19. What are the minimum cross sections of conductors that are used for power wiring? (Tough)
- a. 2.5 mm² and 1.25 mm² for aluminum and copper conductors respectively.
 - b. 1.25 mm² and 2.5 mm² for aluminum and copper conductors respectively.
 - c. 1.5 mm² and 1.25 mm² for aluminum and copper conductors respectively.
 - d. 2.5 mm² and 2.25 mm² for aluminum and copper conductors respectively.
20. How many earth connections are required for the motor frame as per the IE rule 61? (Tough)
- a. One
 - b. Two separate and distinct
 - c. Three separate and distinct
 - d. All of these
 - e. None of these
21. What is the input current of a 2 hp single phase motor, 240 V at 70 % efficiency and 0.8 power factor? (Medium)
- a. 6.95 A
 - b. 10.95 A
 - c. 13.52 A
 - d. 17.68 A
22. Which starter is used for slip ring induction motors of high ratings? (Easy)
- a. DOL starter
 - b. Rotor resistance starter
 - c. Autotransformer starter
 - d. All of these
 - e. None of these
23. What is the size of the cable made up of copper conductors used for a 10 hp 500 V DC motor? (Medium)
- a. 7 / 0.915 mm
 - b. 1 / 2.8 mm
 - c. 3 / 0.915 mm
 - d. Both (b) & (c)
 - e. All of these
24. What will be the utilization factor for an indirect lighting scheme? (Tough)
- a. 0.25 – 0.5
 - b. 0.5 – 0.75
 - c. 0.1 – 0.25
 - d. 0.75 – 0.99
25. Which method is used for the lighting calculations? (Medium)
- a. Watts per square meter method
 - b. Lumen or light flux method
 - c. Point to point method
 - d. All of these
 - e. None of these
26. What is the normal life of a fluorescent lamp? (Tough)

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- a. 2000 hours
 - b. 3500 hours
 - c. 7500 hours
 - d. 10000 hours
27. How is the ballast resistance connected with the choke? (Easy)
- a. Parallel
 - b. Series
 - c. Can be connected in either way
 - d. Both (a) & (b)
 - e. None of these
28. Which lamp is used in the outdoor illumination of buildings and airport runway? (Easy)
- a. Halogen lamp
 - b. Gaseous discharge lamp
 - c. Sodium vapor lamp
 - d. All of these

CON/N0609: Inspect and maintain construction equipment as per requirement

29. Minimum faults occur in which of the following power system? (Easy)
- a. Transformer
 - b. Switch gear
 - c. CT, PT
 - d. Alternator
30. Transformer oil used in an electrical must be free from.....? (Medium)
- a. Gases
 - b. Odour
 - c. Sludge
 - d. Moisture
31. A thermal protection switch can protect against? (Medium)
- a. Short circuit
 - b. Temperature
 - c. Overload
 - d. Over voltage
32. Transformer ratings are given in.....? (Tough)
- a. KW
 - b. KVAR
 - c. HP
 - d. KVA
33. Which of the following application requires high starting torque (Easy)
- a. Lathe machine
 - b. Centrifugal pump
 - c. Locomotive
 - d. Air blower
34. Magger is used for..... (Tough)
- a. Earth resistance test
 - b. both (a) and (c)
 - c. Insulation resistance test
 - d. none of these
35. All single phase ac motor are designed to operate usually on (Easy)
- a. 220v only
 - b. 220+10v
 - c. 220 \pm 0V
 - d. 220 \pm 10%v
36. A direct on line starter is used for starting motor. (Easy)
- a. Up to 5 H.P.
 - b. Up to 10 H.P.
 - c. Up to 15 H.P.
 - d. Up to 20 H.

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37. The steel used for laminations should have (Tough)
- a. High permeability and high hysteresis
 - b. High permeability and low hysteresis
 - c. Low permeability and hysteresis
 - d. Low permeability and high hysteresis
38. In transformer if the secondary is open circuited then its terminal voltage is (Easy)
- a. Same as the induced emf
 - b. Greater than the induced emf
 - c. lesser than the induced emf
 - d. None of these
39. Circuit breakers usually operate under (Medium)
- a. Steady short circuit current
 - b. Sub transient state of short circuit current
 - c. Transient state of short circuit current
 - d. None of these
40. The making and breaking currents of a 3 phase ac circuit breakers in power systems are respectively in _____ form. (Tough)
- a. rms value, rms value
 - b. instantaneous value, rms value
 - c. rms value, instantaneous value
 - d. instantaneous value, instantaneous value
41. SF6 is which type of gas? (Easy)
- a. Electro positive
 - b. Electro negative
 - c. Both (a) and (b)
 - d. None of these
42. Why is an isolator installed? (Medium)
- a. To isolate one portion of the circuit from another
 - b. As a substitute for the circuit breaker
 - c. It used on either sides of the circuit breaker
 - d. Both (a) and (c)
 - e. None of these
43. For extinguishing arc in an high voltage fuses, the element can be immersed in (Tough)
- a. Oil
 - b. Carbon tetrachloride
 - c. Carbon tetra florid
 - d. Only (a) and (b)
44. In HRC fuses, the space within the body surrounding the element is usually filled with (Easy)
- a. Silver
 - b. Zinc
 - c. Quartz
 - d. Copper
45. The wrong statement among the following is (Easy)

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- a. A fuse can be fitted in an outlet socket
b. A fuse should not get overheated
c. The current rating of fuse should not exceed the rating of the smallest cable protected
d. Fuse having rating less than 3 A can be used in radio
46. The fusing current of a fuse depends on its (Tough)
- a. Material and its length
b. Length and its diameter
c. Material and diameter
d. Material, length and diameter
47. For improving the soil condition and efficiency of earthing system, the pit area around the G.I. pipe is filled with (Medium)
- a. Mixture of copper and nickel
b. Mixture of chloride and sodium
c. Mixture of aluminum and sulfide
d. Mixture of salt and coal
48. For solving parallel ac circuit, the method used is (Medium)
- a. Vector method
b. Admittance method
c. Symbolic or j - method
d. All of these
49. The net power in a series R-C circuit is (Easy)
- a. Zero
b. Positive
c. Negative
d. None of these
50. The product of rms values of current and voltage is called as (Tough)
- a. Real power
b. Apparent power
c. Reactive power
d. Polar curves
51. The power absorbed by a pure inductive circuit and pure capacitive circuit is (Easy)
- a. Zero and non zero
b. Non zero and zero
c. Non zero and non zero
d. Zero and zero
52. Which material is used for wiring continuous bus bar? (Easy)
- a. Aluminum
b. Copper
c. Both (A) and (B)
d. None of these
53. For what voltage levels are the screwed conduit circuits used? (Tough)
- a. Less than 250 V
b. For voltages between 250 V – 600 V
c. For voltages above 600 V
d. None of these

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54. Which among these is a method of wiring? (Easy)
- a. Joint box
 - b. Tee system
 - c. Loop in system
 - d. Only a and c
 - e. All of these
55. What is the maximum load that can be connected in a circuit connecting only lighting points? (Tough)
- a. 500 watts
 - b. 750 watts
 - c. 800 watts
 - d. 1000 watts
56. What is the maximum number of lighting points that can be connected in a circuit? (Easy)
- a. 5
 - b. 10
 - c. 8
 - d. 12
57. What is meant by petty purchase? (Tough)
- a. An item purchased from market by purchase assistant with proper formal order.
 - b. An item purchased from market by purchase assistant without proper formal order.
 - c. A single tendering purchase
 - d. None of these
58. The power curve for a purely resistive circuit is zero only when (Medium)
- a. Current is zero
 - b. Voltage is zero
 - c. Both current and voltage is zero
 - d. None of these

CON/N0610: Carry out LV electrical wiring and assist in building electrification works

59. You are wiring a combined official shop (a non domestic) which is a part of large development – You need to assess the maximum demand of the installation to determine the size of sub main cable that will supply the office. The office is single phase, 230v electrical installation with the following load- (Tough)

860 watt light
 10250 watt outside flood light
 308 w Led Light
 16 meter of lighting truck
 1010 A Single Outlet

Calculate the maximum demand in amps of office and use the table for your calculation

Equipment	Load Group	Calculation	Load

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60. Light points available in the houses are? (Easy)

- a. Voltage source
- b. Current source
- c. Power source
- d. All of these

61. What kind of material used for fusing element? (Easy)

- a. Line wire
- b. PVC
- c. Graphite
- d. None of these

62. Out of the following which is an insulating material? (Medium)

- a. Copper
- b. Silver
- c. Gold
- d. Paper

63. The property of a conductor due to which it passes is called..... (Tough)

- a. Resistance
- b. Reluctance
- c. Conductance. Inductance

64. Which is the best conductor of electricity? (Easy)

- a. Iron
- b. Silver
- c. Copper
- d. Carbon

65. Which material is used for wiring continuous bus bar? (Medium)

- a. Aluminum
- b. Copper
- c. Both (a) and (b)
- d. None of these

66. Suspension insulator is made of..... (Easy)

- a. Glass
- b. Porcelain
- b. Steatite
- d. Epoxy resin

67. Impedance diagram is used for analysis of.....? (Medium)

- a. load flow
- b. Alternator
- c. Fault
- d. Transmission line

68. Which lamp is used in the outdoor illumination of building? (Easy)

- a. Halogen lamp
- b. Gaseous discharge lamp
- c. Sodium vapor lamp
- d. All of these

69. The current flowing through the resistance is given by (Tough)

- a. $I \cos \phi$
- b. $I \sin \phi$
- c. $I \tan \phi$
- d. $I \cot \phi$

70. Reactive power is measured in terms of (Easy)

- a. KW
- b. kVA
- c. kVAR
- d. None of these

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71. Power factor is the ratio of (Tough)
- a. Active power to the reactive power
 - b. Active power to the apparent power
 - c. Apparent power to the active power
 - d. Reactive power to the apparent power
72. For a typical AC power supply, the secondary transmission carries the voltage of (Tough)
- a. 11kV
 - b. 33 kV
 - c. 66 kV
 - d. 132 kV
73. The electric power from primary distribution line is delivered to distribution substations by using (Medium)
- a. 1 phase wire
 - b. 3 phase, 3 wire
 - c. 3 phase, 4 wire
 - d. All of these
 - e. None of these
74. The reduction of utility load primarily during peak demand is known as (Medium)
- a. Peak clipping
 - b. Load shifting
 - c. Valley filling
 - d. MTP analysis
75. The demand side management can be achieved by the technique of (Tough)
- a. Time of day pricing and metering
 - b. Multi - utility power exchange model
 - c. Load management
 - d. All of these
 - e. None of these
76. EPRI stands for (Medium)
- a. European power research institute
 - b. Electrical power Russian institute
 - c. Electrical power research institute
 - d. Electrical power research industries
77. Demand Side Management is required to (Easy)
- a. Reduce overall cost of installed capacity
 - b. Reduce needs for peaking stations
 - c. Ensure quality and equity of supply
 - d. Only B and C
78. The term Demand Side Management was coined during (Tough)
- a. 1936 energy crisis
 - b. 1972 energy crisis
 - c. 1973 energy crisis
 - d. 1986 energy crisis

CON/N8001: Work effectively in a team to deliver desired results at the workplace

79. Which of these factors is not required for growth of communication? (Easy)

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- a. Globalization
 - b. Public relations
 - c. Reduce in size of organizations
 - d. Technological advancements
80. Why to tell the appropriate techniques to the party members (Medium)
- a. Moral increases
 - b. Quickly work completion
 - c. All do the work
 - d. None of these
81. This actively is of paying attention (Medium)
- a. Hearing
 - b. Listening
 - c. Nonverbal communication
 - d. Verbal communication
82. After completing the work of self, what kind of help should be given to another colleague (Tough)
- a. Look after work done by him
 - b. Tell him about techniques
 - c. Help him in his work
 - d. Tell him to finish work quickly
83. Which of this element is not involved in the process of communication? (Easy)
- a. Pipe
 - b. Sender
 - c. Message
 - d. channel
84. Always address problems immediate to.....? (Easy)
- a. Supervisor
 - b. Manager
 - c. Both A & B
 - d. None of these
85. Always Inform to To resolve the problems (Medium)
- a. Supervisor
 - b. Manager
 - c. Both A & B
 - d. None of these
86. What is play to some people may be to others (Medium)
- a. Responsibility
 - b. Duty
 - c. Work
 - d. None of the above
87. The group..... are more important to the group members then any financial incentive. (Medium)
- a. Norms
 - b. Values
 - c. Both a and 'b'
 - d. None of the value
88. Theteams are concerned with rotating tasks and assignments amongst its members (Medium)
- a. Self-managed
 - b. Self-styled
 - c. Self motivated
 - d. Self concerned
89. Mismatch between personality and organization may lead to: (Tough)
- a. Confusion and chaos
 - b. Loss of interest by member in organization
 - c. Low morale and job satisfaction
 - d. All of the above
90. Do not follow the instructions of the senior person. (Easy)
- a. True
 - b. False
91. What does Teamwork mean? (Medium)
- a. To work well with other
 - b. To work hard
 - c. To communicate well
 - d. To work using soft skills
92. Which of the following is not an objective of employee orientation? (Tough)
- a. Developing team spirit

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- b. Preventing employee alienation
c. Raising the salary of the employees
d. None of these
93. What is a key step in Teamwork? (Tough)
- a. Leadership
b. Responsibility
c. Organization
d. All of These
94. Members of the party should be given (Medium)
- a. Prize
b. More rupees
c. Information
d. All of these
95. In management process, the most misinterpreted word is (Easy)
- a. Organizing
b. Delegating
c. Controlling
d. Planning
96. The department(s) that an event management company will have is (are) (Medium)
- a. Creative
b. Production
c. Client servicing
d. All of the above
97. Who said, "Management is a multiple purpose organ that manages a business, manages a manager and manages workers and work"? (Tough)
- a. Harold Kuntz
b. Peter Ducker
c. Kenneth O 'Donell
d. Anonymous
98. Under mechanism of scientific management, scientific task setting includes: (Tough)
- a. Time study
b. Motion study
c. Method study
d. All of the above
99. Management as a discipline is the function of _____. (Easy)
- a. Science
b. Art
c. Creativity
d. All of the above
100. Which theory assumes that people are naturally lazy and will avoid work and responsibilities if possible? (Medium)
- a. Theory X
b. Theory Y
c. Theory Z
d. None of the above
101. Who is the person you have to give importance under the company's checklist before making call to the consultant. (Tough)
- a. Managers
b. Employees
c. Customer
d. All of the above

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102. What is one of the most significant inhibitors in customer preference while purchasing perishable items in retail? (Medium)
- a. Proximity of markets
 - b. Customer preference to brands
 - c. Both (A) and (B)
 - d. None of the above

CON/N8002: Plan and organize work to meet expected outcomes

103. Ensuring that everything is carried out according to plan is part of the process of..... (Easy)

- a. Planning.
- b. Controlling.
- c. Organizing
- d. Coordinating

104. Planning ,organizing, directing and controlling are the: (Tough)

- a. Function of management
- b. Work of Management
- c. Results of management
- d. All of the above

105. Empowerment is related to (Medium)

- a. Planning.
- b. Organizing.
- c. Directing.
- d. Controlling

106. Technical skills are most important for which of following (Easy)

- a. First line managers
- b. Middle managers
- c. Viva president production
- d. Top managers

107. Planning, organizing, directing and controlling are the: (Medium)

- a. Functions of management.
- b. Goals of management.
- c. Results of management.
- d. All of the above

108. What is needed to complete the work? (Easy)

- a. Manpower
- b. Store keeper
- c. Supervisor
- d. Managing director

109. People who work in the human resource department should have knowledge of (Tough)

- a. Organizational behavior
- b. IT
- c. Finance
- d. Marketing

110. An outline of the fundamental purpose of an organization is called it? (Easy)

- a. Mission statement
- b. Objectives
- c. Policy
- d. All of the above

111. 52. Technical skills are most important for which of following. (Tough)

- a. First line managers
- b. Middle managers
- c. Viva president production
- d. Top managers

112. First step in planning process is to (Medium)

- a. Set an objective
- b. Evaluate alternatives
- c. Determine strength and weaknesses
- d. None of above

113. Setting the organization's goals and deciding how best to achieve those goals is defined as..... (Easy)

- a. Controlling
- b. Leading

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c. Organizing

d. Planning and decision making

114. Motivation is related to. (Easy)

- a. Planning.
- b. Controlling.

- c. Leading.
- d. Tactical decisions

115. Empowerment is related to (Tough)

- a. Planning.
- b. Organizing.

- c. Directing.
- d. Controlling

116. All of the following increase team effectiveness except.... (Medium)

- a. Understanding team timing
- b. Ignoring ineffective team processes

- c. Pay attention to team tasks
- d. Developing using and reinforcing effective group norms

117. Volunteer workers are most productive as the result of (Medium)

- a. Goal-setting
- b. Effective planning sessions

- c. Job ownership
- d. Good job descriptions

118. The “superhighway” to relationship-building is (Easy)

- a. Listening
- b. Honestly

- c. Cooperation
- d. Friendliness

119. The best decisions are reached..... (Tough)

- a. By consensus
- b. Through constructive debate

- c. When the decision makers are held accountable
- d. When clear cut standards and expectations exist

120. The most effective way to plan for the future is (Medium)

- a. Appoint a long-range planning committee
- b. Develop solid relationships throughout your organization

- c. Hold a retreat
- d. Engage in strategic planning

121. All of the following should understand exclude teams effectiveness (Tough)

- a. Understanding the timing of the team
- b. Focus of team’s work

- c. Ignoring the ineffective work of team
- d. Develop the Strength and use group norms

122. What is important to finish the work quickly? (Medium)

- a. Planning
- b. Store Keeper

- c. Meeting
- d. Talk to all the members

123. Goals are always tied to (Easy)

- a. Time

- b. Convenience

124. Housekeeping activities should be planned Completion of work (Easy)

- a. Before

- b. After

125. Why planning is important before work? (Tough)

- a. Work not complete perfect
- b. All will get information

- c. Work will complete quickly and perfect
- d. No Profit

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126. After finishing scheduled task why tools should be kept at open space? (Easy)
- a. Tools found early
 - b. Should not kept open
 - c. Tools will not lose
 - d. Easy of taking the tools
127. Which of the following personality characteristics are associated with people who are likely to exhibit violent behavior on the job? (Medium)
- a. Neurotic
 - b. Optimistic
 - c. Extraverted
 - d. Type A
128. Which of these suggestions is an effective way to deal with stress? (Medium)
- a. Meditation
 - b. Exercise
 - c. Talking with others
 - d. All of the given options
129. In most large facilities, who is responsible for reducing unsafe working conditions and reducing unsafe acts by employees? (Tough)
- a. Chief executive officer
 - b. Chief safety officer
 - c. Occupational safety and health officer
 - d. Chief operations officer
130. Who distinguished between intrinsic motivation and extrinsic motivation? (Tough)
- a. Frederick Taylor
 - b. Frederick Herzberg
 - c. David McClelland
 - d. Edward Deci
131. Which of the following is categorized as an indirect payment portion of employee compensation? (Easy)
- a. Wages
 - b. Salaries
 - c. Employer-paid insurance
 - d. Commissions
132. Modern managers are: (Medium)
- a. Action oriented.
 - b. Able to build a sense of shared values.
 - c. Able to manage change efficiently.
 - d. All of the above.
133. Planning, organizing, directing and controlling are the: (Easy)
- a. Functions of management.
 - b. Goals of management
 - c. Results of management.
 - d. All of the above.
134. Coordinating people and human resources to accomplish organizational goals is the process of: (Medium)
- a. Planning.
 - b. Directing.
 - c. Management
 - d. Leadership.
135. Which of the following would be included in the "controlling function"? (Tough)
- a. Measuring results against Corporate objectives
 - b. Explaining routines
 - c. Setting standards

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d. Giving assignments

136. Specific, short-term statements detailing how to achieve an organization's goals is known as its: (Medium)

- a. Vision.
- b. Mission statement.
- c. Objectives
- d. Operational planning

137. An outline of the fundamental purpose of an organization is called its: (Easy)

- a. Mission statement
- b. Objectives
- c. Policy
- d. All of the above

138. Strategic planning is done by: (Easy)

- a. Top managers of the firm
- b. Middle managers.
- c. Supervisory managers
- d. Non supervisory employees

139. Mr. X is a branch manager for Microsoft. He is: (Medium)

- a. Top management
- b. Middle management
- c. Supervisory management
- d. None of the above

140. The most effective leader is one who: (Tough)

- a. Makes managerial decisions without consulting others
- b. Works with managers and employees to make decisions
- c. Has the leadership style most appropriate to the situation and the employee involved
- d. None of the above

141. Technical skills are most important for which of the following: (Medium)

- a. First line managers.
- b. Middle managers
- c. Vice president-Production
- d. Top managers

142. Supervisory management spends most of his/her time: (Easy)

- a. Planning and controlling
- b. Directing and controlling.
- c. Planning and organizing
- d. Organizing and controlling

143. _____ refers to the process of developing detailed, short term strategies about what is to be done, who is to do it, and how it is to be done. (Medium)

- a. Strategic planning
- b. Tactical planning
- c. Contingency planning
- d. None of the above

144. An example of an effective standard for a control system would be: (Tough)

- a. Deciding to hire 5 new employees
- b. Renting new premises
- c. Planning to increase sales of product A from 5,000 to 10,000 per month by December of next year
- d. Improving the quality of production

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145. Probability of the event that might occur X Severity of the event if it occurs = (Easy)

- a. Accident
- b. Hazard
- c. Risk
- d. None of the above

146. Industrial safety management is that branch of management which is concerned with _____ hazards from the industries. (Medium)

- a. Reducing
- b. Controlling
- c. Eliminating
- d. All of the above

147. The following is indirect cost of accident (Tough)

- a. Money paid for treatment of worker
- b. Compensation paid to worker
- c. Cost of lost time of injured worker
- d. All of the above

148. The following is(are) physical hazard agent(s) (Easy)

- a. Falls
- b. Electricity
- c. Inhalation
- d. All of the above

149. Which of the following color is used for radiation hazard? (Easy)

- a. Red
- b. Orange
- c. Green
- d. Purple

150. Why should regular inspection of workplace take place? (Tough)

- a. To check that all staff are present and correct
- b. To check whether the working environment is safe
- c. To prepare for a visit from a HSE inspector
- d. All of these

151. For house hold wiring and small units the following should be used for safety measure (Medium)

- a. MCB
- b. ACB
- c. OCB
- d. MCCB

152. Identify the image shown below (Easy)



- a. Foot protection
- b. Ear protection
- c. Hand protection
- d. Eyes protection

153. The following is indirect cost of accident (Tough)

- a. Money paid for treatment of worker
- b. Compensation paid to worker
- c. Cost of lost time of injured worker
- d. All of the above

154. Primary first Aid kit is related to (Easy)

- a. Safety
- b. Entertainment
- c. News
- d. None of the above

155. Check list for job Safety analysis consists of..... (Tough)

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- | | |
|--|---|
| <ul style="list-style-type: none"> a. Work Area, Material, Machine, Tools b. Men, Machine, Material, Tools | <ul style="list-style-type: none"> c. Men, Machine, Work Area, Tools d. Men, Work Area, Material, Tools |
|--|---|

156. Gloves used for electrical protection must be electrically tested every? (Medium)

- | | |
|---|---|
| <ul style="list-style-type: none"> a. 3 months c. 12 months | <ul style="list-style-type: none"> b. 6 months d. Never |
|---|---|

157. Identification of the warning sign shown below? (Easy)



- | | |
|---|---|
| <ul style="list-style-type: none"> a. High voltage b. Danger of death | <ul style="list-style-type: none"> c. Léger beam d. None of these |
|---|---|

158. The following is physical hazard agents (Medium)

- | | |
|--|--|
| <ul style="list-style-type: none"> a. Falls b. Electricity | <ul style="list-style-type: none"> c. Inhalation d. All of the above |
|--|--|

159. For household wiring and small units, the following should be used for safety measure (Tough)

- | | |
|---|--|
| <ul style="list-style-type: none"> a. OCB c. MCCB | <ul style="list-style-type: none"> b. ACB d. MCB |
|---|--|

160. Industrial safety management is that branch of management which is concerned with.....hazard from (Medium)

- | | |
|---|---|
| <ul style="list-style-type: none"> a. Reducing b. Controlling | <ul style="list-style-type: none"> c. Eliminating d. All of the Above |
|---|---|

161. What is a Prohibition notice? (Tough)

- | | |
|--|---|
| <ul style="list-style-type: none"> a. You must complete this day's work and inform your supervisor b. The work must stop immediately | <ul style="list-style-type: none"> c. When you finish the work you must not start again d. work is to stop for that day |
|--|---|

162. Why is it important to wear PPE? (Medium)

- | | |
|---|---|
| <ul style="list-style-type: none"> a. Because it looks right b. Because it protects the tools | <ul style="list-style-type: none"> c. Because it protects you d. Because it is what an employer tells you to do |
|---|---|

163. Which of the following statements is likely to result in an injury to the operator? (Medium)

- | | |
|---|--|
| <ul style="list-style-type: none"> a. Selection the right tool for the job b. Wearing safety goggles or glasses | <ul style="list-style-type: none"> c. Using a tool with loose handles d. Keeping cutting tools sharp |
|---|--|

164. Accidents: (Easy)

- | | |
|--|---|
| <ul style="list-style-type: none"> a. Can be avoided b. Only happen to people who deserve them | <ul style="list-style-type: none"> c. Are largely preventable d. Are completely unpredictable |
|--|---|

165. Why should the work place be inspected regularly? (Tough)

- | | |
|--|---|
| <ul style="list-style-type: none"> a. To check all the employees present & true | <ul style="list-style-type: none"> b. To check whether working environment is safe or not c. To prepare HSE inspector to travel |
|--|---|

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d. All of above

166. Identify the tool given below? (Easy)



- a. High Volt
- b. Danger
- c. Laser Beam
- d. None of these

167. How will stop the fire in electric appliances? (Tough)

- a. Water
- b. Co2
- c. CTC
- d. Air

168. Which Color of helmet is used by electrician (Medium)

- a. Black
- b. White
- c. Red
- d. Yellow

169. What are the causes of accidents (Tough)

- a. Wrong use of tools
- b. Inattentiveness
- c. Lack of light & Air
- d. All of these

170. Check list for Job Safety Analysis (JSA) consists of (Tough)

- a. Work area, material, machine, tools
- b. Men, machine, material, tools
- c. Men, machine, work area, tools
- d. Men, work area. Material, tools

171. A safety programme consists of (Medium)

- a. Three E's
- b. Four E's
- c. Five E's
- d. Six E,s

172. For household wiring and small units, the following should be used for safety measure

(Easy)

- a. MCB
- b. ACB
- c. OCB
- d. MCCB

173. Decibel (db) is a unit used to measure (Medium)

- a. Light
- b. Sound
- c. Frequency
- d. None of the above

174. The following is (are) used as safety device(s) in machines (Medium)

- a. Fail safe
- b. Safety interlocks
- c. Limit switches
- d. All of the above

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175. Class-A fire consists of fire due to (Easy)
- a. Fail safe
 - b. Safety interlocks
 - c. Limit switches
 - d. All of the above
176. Water is used to extinguish (Tough)
- a. Class-A fires
 - b. Class-B fires
 - c. Class-C fires
 - d. All of the above
177. The following extinguisher is suitable for cotton or other textile fire (Medium)
- a. Water
 - b. Soda acid
 - c. Foam
 - d. Dry chemicals
178. ____ is best suited to extinguishing oil or flammable liquid fire. (Easy)
- a. Soda acid
 - b. Vaporizing liquid
 - c. Foam
 - d. Dry chemical
179. Probability of the event that might occur X Severity of the event if it occurs = (Tough)
- a. Accident
 - b. Hazard
 - c. Risk
 - d. None of the above
180. Industrial safety management is that branch of management which is concerned with ____ hazards from the industries. (Tough)
- a. Reducing
 - b. Controlling
 - c. Eliminating
 - d. All of the above
181. The following is indirect cost of accident (Medium)
- a. Money paid for treatment of worker
 - b. Compensation paid to worker
 - c. Cost of lost time of injured worker
 - d. All of the above
182. The following is(are) physical hazard agent(s) (Easy)
- a. Falls
 - b. Electricity
 - c. Inhalation
 - d. All of the above
183. Check list for Job Safety Analysis (JSA) consists of (Tough)
- a. Work area, material, machine, tools
 - b. Men, machine, material, tools
 - c. Men, machine, work area, tools
 - d. Men, work area. Material, tools
-