

## Unit 1-Safety & Prevention of Accidents

Sr. No	MCQ
1	<p>..... Use caution when working near electricity.</p> <p><b>a)Always</b>   b)Rarely   c)Never   d)Sometimes</p>
2	<p>Electrical hazards include shock, electrical arcs and blasts, and ..... or faulty equipment.</p> <p><b>a)Broken</b>   b) Double insulated   c)Polished   d)Secure</p>
3	<p>Gloves used for electrical protection must be electrically tested every...</p> <p>a) 3 months   <b>b) 6 months</b>   c) 12 months   d) Never</p>
4	<p>When you become part of the electrical circuit, the severity of the electrical shock is determined by which of the following?</p> <p>a) The time duration or length of time the body was in the circuit</p> <p>b) The magnitude of the current flowing through the body</p> <p>c) The path the current took through the body</p> <p><b>d) All of The answers</b></p>
5	<p>_____ are sometimes the result of carelessness by the individual, but so often accidents happen because we are unaware of the dangers that are present in what we are attempting to do.</p> <p>a) Aggravation</p> <p><b>b) Accidents</b></p> <p>c) Aggravation</p> <p>d) Incidents</p>
6	<p>If electric wires and appliances are overheated due to high voltage of electric current they can</p> <p>a) catch fire</p> <p>b) burn</p> <p><b>c) freeze</b></p> <p>d) both a and b</p>

7	<p>Do not use appliances, if</p> <ul style="list-style-type: none"> <li>a) damaged</li> <li>b) wires exposed</li> <li>c) working properly</li> <li><b>d) both a and b</b></li> </ul>
8	<p>If you are the only conductor around, the electricity will flow through</p> <ul style="list-style-type: none"> <li><b>a) You</b></li> <li>b) Me</li> <li>c) Us</li> <li>d) insulator</li> </ul>
9	<p>A person qualified to perform electrical work must possess:</p> <ul style="list-style-type: none"> <li>a. Skills/techniques to distinguish live parts from other parts of electrical equipment.</li> <li>b. Skills and techniques to determine the nominal voltage of exposed live parts.</li> <li>c. Knowledge on the use of PPE, insulating and shielding materials, and insulated tools.</li> <li><b>d. All of the above.</b></li> </ul>
10	<p>Electrical injuries are commonly caused by:</p> <ul style="list-style-type: none"> <li>a. Unsafe equipment or installations</li> <li>b. An unsafe environment</li> <li>c. Unsafe work practices.</li> <li><b>d. All of the above</b></li> </ul>
11	<p>Conductors offer little resistance to the flow of electric current.</p> <ul style="list-style-type: none"> <li>a) <b>True</b></li> <li>b) False</li> </ul>
12	<p>Cord and plug equipment should have a three prong plug or be double insulated.</p> <ul style="list-style-type: none"> <li>a) <b>True</b></li> <li>b) False</li> </ul>

13	Only authorized employees are permitted to work on electrical systems and equipment. a) <b>True</b> b) False
14	Electrical shock can cause damage to tissue, muscle, and internal organs. a) <b>True</b> b) False
15	The longer a person is exposed to an electrical shock (current), the greater the risk of serious injury. a) <b>True</b> b) False
16	Grounding conductors are usually black in color. a) True                      b) <b>False</b>
17	Ground fault circuit interrupters compare the amount of current going into electrical equipment and the amount of equipment returning. a) <b>True</b> b) False
18	What is the full form of BIS? a) Board of Indian Standard b) <b>Bureau of Indian Standard</b> c) Board of International Standard d) Bureau of International Standard
19	Which is the golden hour for the victim injured on head with risk of dying? a) First 15 minutes b) First 30 minutes c) First 45 minutes d) <b>First 60 minutes</b>
20	Which is the correct sequence of operation to be performed when using the fire extinguisher? a) <b>Pull, Aim, Squeeze, Sweep</b> b) Pull, Aim, Sweep, Squeeze c) Push, Arrange, Squeeze, Sweep d) Push, Arrange, Sweep, Sequence

21	<p>Which Personal Protective Equipment (PPE) is used for the protection from fumes?</p> <p>a) Apron      b) Goggles      c) Ear mask      <b>d) Nose mask</b></p>
22	<p>Which type of fire extinguisher is used for fire on electrical equipment?</p> <p><b>a) Halon type</b></p> <p>b) Foam type</p> <p>c) Gas cartridge type</p> <p>d) Stored pressure type</p>
23	<p>What will be First -aid to be given to stop the bleeding of the victim?</p> <p>a) Applying ointment</p> <p>b) Keep the injured person upward</p> <p>c) Covering the wound portion</p> <p><b>d) Applying pressure over the injured portion.</b></p>
24	<p>What immediate action should be taken to rescue the victim, if he is still in contact with the electrical power supply ?</p> <p>a) Pull or push him from the contact by hand</p> <p>b) Inform your authority about this electric shock</p> <p>c) Call someone for helping to remove him from contact</p> <p><b>d) Break the contact by switching OFF the power supply</b></p>
25	<p>The most dangerous place to use electrical equipment is?</p> <p>a) indoors.   b) outdoors. <b>c) near water.</b> d)near other electrical equipment.</p>
26	<p>You discover the electrical cord on a drill has been damaged and some of the cord's insulation is missing. You should?</p> <p>a) wrap tape around the damaged spot to prevent electrical shocks.</p> <p>b) check to see if the drill still works.</p> <p><b>c) tag the drill out of service and notify the department responsible for equipment maintenance.</b></p> <p>d) make sure that the cord does not come in contact with the floor.</p>
27	<p>The safest ladder to use around electricity is?</p>

	a) wood. <b>b) fiberglass.</b> c) aluminum. d) a step stool
28	The effects of an electrical shock on the body depend upon all of the following EXCEPT: a) current. b) path. c) duration. <b>d) body weight.</b>
29	Injuries from electricity can include which of the following? a) electric shock that may or may not result in electrocution. b) falls. c) burns. <b>d) all of the above.</b>
30	It is the responsibility of all employees to understand and use electrical safety everyday. a) <b>True</b> b) False
31	Flexible cords can be used in the workplace: a) as a substitute for permanent wiring. b) if they are run behind walls to reduce the chance of abrasion and damage. <b>c) if heavy or extra heavy duty cords are needed for temporary purposes.</b> d) if any obvious splices are repaired with electrical tape.
32	One of the main functions of personal protective grounds is to provide a _____ impedance path for a short circuit.  a) High <b>b) Low</b> c) Smooth d) Adequate
33	A Safety Electrical One Line Diagram should be used to _____ all sources of electrical energy.  <b>a) Identify</b>

	<ul style="list-style-type: none"> <li>b) Castigate</li> <li>c) Evaluate</li> <li>d) Modify</li> </ul>
34	<p>Work performed on an electrical system within reaching distance of energized components is_____work.</p> <ul style="list-style-type: none"> <li><b>a) Energized</b></li> <li>b) Essential</li> <li>c) Safe</li> <li>d) Unavoidable</li> </ul>
35	<p>One of the three generally recognized hazards of electrical work is_____.</p> <ul style="list-style-type: none"> <li><b>a) Arc Flash</b></li> <li>b) Cuts</li> <li>c) Falls</li> <li>d) Concussion</li> </ul>
36	<p>Avoid damp and wet areas when working with electricity.</p> <ul style="list-style-type: none"> <li><b>a) True</b></li> <li>b) Not true</li> </ul>
37	<p>Safety-related work practices involve:</p> <ul style="list-style-type: none"> <li>a) The use of ground fault circuit interrupters</li> <li>b) Verifying power is off before doing repairs</li> <li>c) Keeping proper distance from overhead power lines</li> <li><b>d) All of the above</b></li> </ul>

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