

1. What is represented in metering formulas by the symbol  $R_s$ ?
  - (A) The number of register gears.
  - (B) The speed of the disc.
  - (C) The number of teeth in the takeoff gear.
  - (D) The number of teeth in the disc shaft.
2. What is the term used to define when a current reaches its peak within half a cycle after the voltage that caused it to flow?
  - (A) Leading current.
  - (B) Lagging current.
  - (C) Power factor.
  - (D) Phase angle.
3. How many elements does a basic single-phase watt-hour meter have?
  - (A) Three
  - (B) Two and a half.
  - (C) Two
  - (D) One
4. What does equipotential grounding do?
  - (A) It puts the utility worker in parallel with a short length of very low resistance ground lead.
  - (B) It puts the utility worker in series with a short length of very low resistance ground lead.
  - (C) It puts the utility worker in parallel with a short length of very high resistance ground lead.
  - (D) It puts the utility worker in series with a short length of very high resistance ground lead.
5. Which meter will be damaged when used on an energized circuit?
  - (A) A wattmeter.
  - (B) An ohmmeter.
  - (C) An ammeter.
  - (D) A voltmeter.
6. What is required when connecting a protective ground?
  - (A) To use dry wood handled tools.
  - (B) To remove the connection from the conductor before connecting the ground connection.
  - (C) To first connect one end of the grounding device to an effective ground.
  - (D) To connect one end of the grounding device to an effective ground as the last step.

7. What are the products called that the WHMIS system is designed to provide safety for?
- (A) Restricted (B) Controlled  
(C) Dangerous (D) Prohibited
8. How is the current coil of a watt-hour meter connected?
- (A) Parallel with the customer load. (B) In series with the customer load.  
(C) Parallel with the line voltage. (D) Parallel with the potential coil.
9. What is the force acting on the movable coil at any instant proportional to, in a wattmeter?
- (A) The impedance of current and voltage coils. (B) The r.m.s. values of line current and reactance.  
(C) The average values of phase current and voltage. (D) The instantaneous values of line current and voltage.
10. Where should the first hot line clamp be placed, after being assured that a power line is isolated?
- (A) To the centre phase. (B) To the closest conductor.  
(C) On the system neutral. (D) To the far conductor.
11. What is the term used to define the number of watt-hours represented by one revolution of the meter disc?
- (A) Constant of a meter. (B) Gear ratio.  
(C) Watt-hour constant. (D) Cycle
12. When referring to personality types, a person who is typically loud and demanding is generally defined as having a/an \_\_\_\_\_ type personality.
- (A) rescuer (B) motivator  
(C) aggressor (D) victim

1141. Referring to rigging and hoisting, which of the following best describes the term "choker hitch?"

- (A) A method of supporting a load by a single vertical part or leg of the sling.
- (B) A configuration where the sling is passed under the load and has both ends, end attachments and eyes or handles on the hook or single master link creating no more than 5 degrees of deviation from the vertical.
- (C) A configuration where the sling is passed over the load and has both ends, end attachments and eyes or handles on the hook or single master link creating more than 10 degrees of deviation from the horizontal.
- (D) A configuration with one end of the sling passing under the load and through an end attachment, handles or eye on the other end of the sling.

1142. How wide a hole should be dug for a wood utility pole?

- (A) Three inches wider than the pole diameter.
- (B) Six inches wider than the pole diameter.
- (C) Eight inches wider than the pole diameter.
- (D) Ten inches wider than the pole diameter.

1143. As a crane's counterweight moves from one quadrant of operation to another, the centre of gravity:

- (A) changes
- (B) can not change
- (C) is determined by the terrain.
- (D) is fixed due to boom mass.

1144. What forces can a guyed power transmission tower withstand?

- (A) Only forces in line with the conductor.
- (B) Only forces laterally to the line.
- (C) Forces both laterally and in line with the conductor.
- (D) Forces calculated based on the area of the foundation.

1145. How can a current carrying conductor be by-passed when it needs to be cut?

- (A) With an insulated conductor with the same size.
- (B) With an insulated chain.
- (C) With an insulated hot line jumper.
- (D) With insulated clamps.

1146. What is the approximate resistance of dry skin?

- (A) Between 10,000 and 600,000 ohms.       (B) Around 1,000 ohms.  
 (C) Between 400 and 600 ohms.               (D) Around 100 ohms.

1147. To ensure that your written communication makes sense, it is recommended to read what you have written out loud to yourself.

- (A) True     (B) False

1148. Which situation has the first priority in the use of the mobile radio system?

- (A) Emergency traffic.                       (B) System switching activities.  
 (C) Dispatching activities.                   (D) Reporting activities.