

112/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. The safe and proper way of removing the existing software from the computer is :
(A) removing (B) disabling
(C) deleting (D) uninstalling
2. The type code printed on the zener is BZC9V1, where 'B' indicates :
(A) germanium (B) silicon
(C) carbon (D) boron
3. In MS-Word file, the short cut key used to save the document is :
(A) Ctrl+A (B) Ctrl+S
(C) Ctrl+V (D) Ctrl+X
4. The number of diodes used for a centre tapped full wave rectifier is :
(A) 1 (B) 2
(C) 3 (D) 4
5. Expansion of SPDT is :
(A) Single Phase Double Throw (B) Single Pole Double Throw
(C) Single Phase Dual Throw (D) Single Pole Dual Throw
6. Open circuit test is conducted on a transformer to determine :
(A) eddy current loss (B) copper loss
(C) hysteresis loss (D) core loss
7. One Pico farad is equal to :
(A) 10^{-6} farad (B) 10^{-9} farad
(C) 10^{-12} farad (D) 10^{-15} farad
8. The number of complete cycles produced in one second is called :
(A) frequency (B) period
(C) amplitude (D) peak value

9. The function of tweezer is to :
- (A) grip and hold the cylindrical objects
 - (B) cut small diameter wires and cables
 - (C) hold light weight and very small components and wires
 - (D) remove the sheath and insulation from cables and boards
10. 1 joule = :
- (A) 1 Nm
 - (B) 1 Nm²
 - (C) 1 N²m²
 - (D) 1 kgm/sec²
11. The melting point of aluminium is :
- (A) 810°C
 - (B) 660°C
 - (C) 560°C
 - (D) 360°C
12. Specific gravity of electrolyte is measured by :
- (A) lactometer
 - (B) pyrometer
 - (C) hydrometer
 - (D) galvanometer
13. Find the square root of 15376 :
- (A) 414
 - (B) 124
 - (C) 214
 - (D) 324
14. Which type of drawing sheet having biggest area?
- (A) A3
 - (B) A2
 - (C) A1
 - (D) A0
15. What is the potential energy in a body, mass 5 kg on top of a pole 20 m high?
- (A) 100 j
 - (B) 980 j
 - (C) 1000 j
 - (D) 9800 j
16. Which is the example of mandatory sign?
- (A) Risk of electric shock
 - (B) Wear safety belt
 - (C) Smoking prohibited
 - (D) All of the above
17. The unit of quantity of electricity is :
- (A) Watt hour
 - (B) Coulomb
 - (C) Ampere
 - (D) Volt