

SCCL - – ELECTRICIAN TRAINEE

SAMPLE / MODEL QUESTION PAPER

Questions : 90

Duration : 1 ½ hours

General Instructions to candidates:

- 1) All questions carry equal marks.
- 2) No negative marks.
- 3) Answer all questions.
- 4) Every question has 4 options and only ONE is CORRECT Answer.
- 5) Use OMR sheet for marking the correct answer by bubbling with BLUE or BLACK ballpoint pen only.

1. The electric current is the flow of
 - 1) electrons
 - 2) protons
 - 3) neutrons
 - 4) elements

2. A 200 volts is applied to a resistance of 50 ohms. The current flows through the resistance is
 - 1) 3 Amps
 - 2) 4 Amps
 - 3) 0.25 Amps
 - 4) 1.25 Amps

3. The magnetic flux is measured in
 - 1) webers
 - 2) Tesla
 - 3) Farads
 - 4) Ohms

4. The commutator segments of a DC Generator are separated by
 - 1) carbon
 - 2) copper
 - 3) mica
 - 4) manganese

5. In a DC series motor the current in field coils is ----- that of armature current
 - 1) equal to
 - 2) greater than
 - 3) lower than
 - 4) none of these

6. In an Alternator, the number of poles is 4. the speed is 1500 RPM. The frequency of generated e.m.f is
- 1) 55 Hz
 - 2) 50 Hz
 - 3) 60 Hz
 - 4) 100 Hz
7. The Electric energy is measured by
- 1) Volt meter
 - 2) Ammeter
 - 3) Energy meter
 - 4) Watt meter
8. The pahse angle between voltage phasor and current phasor in a resistive circuit is (in degrees)
- 1) 0
 - 2) 30
 - 3) 45
 - 4) 60
9. The transformer is operated on the basic principle of
- 1) self induction
 - 2) Mutual induction
 - 3) cork screw rule
 - 4) Lenz,s law
10. In a single phase transformer of primary turns 100 and secondary turns 50, and the primary applied voltage is 200 volts, The secondary voltage produced will be
- 1) 100 V
 - 2) 200 V
 - 3) 50 V
 - 4) 150 V
11. The transformer core is laminated to reduce
- 1) hysteresis loss
 - 2) eddy current loss
 - 3) Both A and B
 - 4) copper loss
12. The Mixie motor in our home appliances is a
- 1) repulsion motor
 - 2) shaded pole motor
 - 3) capacitor start motor
 - 4) Universal motor

13. The single phase fan motor used in our houses is a
- 1) DC shunt motor
 - 2) AC series motor
 - 3) capacitor start motor
 - 4) Universal motor
14. The fan used in houses is rated for 75 Watts. The energy consumed if it works for 10 hours is
- 1) 750 Watts
 - 2) 750 Watt hours
 - 3) 750 kWh
 - 4) 7.5 W
15. The DC motor commonly used for electric traction is
- 1) serie motor
 - 2) shunt motor
 - 3) compound motor
 - 4) single phase motor
16. Where is the thousand pillars temple is located ?
- 1) Andhra Pradesh
 - 2) Telangana
 - 3) Maharastra
 - 4) Tamilnadu.