

DRDO CEPTAM Tier II 15th Jun 2026

Participant ID	
Participant Name	
Test Center Name	
Test Date	15/06/2026
Test Time	9:00 AM - 11:20 AM
Subject	Tech A Electrician

Section : Part II Section A

Q.1 The full form of UPS?

- Ans ☐ A. Uninterruptible power source
- ☐ B. Uninterruptible power system
- ☒ C. Uninterruptible power supply
- ☐ D. Universal power system

Question ID : 149550849
Option 1 ID : 1495503395
Option 2 ID : 1495503394
Option 3 ID : 1495503393
Option 4 ID : 1495503396
Status : Answered
Chosen Option : C

Q.2 Which of the following is a diamagnetic substance?

- Ans ☐ A. Air
- ☐ B. Steel
- ☐ C. Platinum
- ☒ D. Water

Question ID : 149550834
Option 1 ID : 1495503333
Option 2 ID : 1495503334
Option 3 ID : 1495503336
Option 4 ID : 1495503335
Status : Answered
Chosen Option : D

Q.3 A resistor of 10 Ω is connected across a 20 V battery. What is the current flowing through the resistor?

- Ans ☐ A. 0.5 A
- ☐ B. 10 A
- ☒ C. 2 A
- ☐ D. 200 A

Question ID : 149550825
Option 1 ID : 1495503297
Option 2 ID : 1495503299
Option 3 ID : 1495503298
Option 4 ID : 1495503300
Status : Answered
Chosen Option : C

Q.4 Which is inversely proportional to the resistance of a conductor?

Ans ☒ A. Area of cross section

☒ B. Length

☒ C. Temperature

☒ D. Resistance

Question ID : 149550832

Option 1 ID : 1495503328

Option 2 ID : 1495503325

Option 3 ID : 1495503327

Option 4 ID : 1495503326

Status : Answered

Chosen Option : A

Q.5 The capacity of cell is measured in ____?

Ans ☒ A. Ampere hour

☒ B. Ampere

☒ C. Watt hour

☒ D. Watt

Question ID : 149550842

Option 1 ID : 1495503368

Option 2 ID : 1495503366

Option 3 ID : 1495503367

Option 4 ID : 1495503365

Status : Answered

Chosen Option : A

Q.6 What is the composition of Lead and Tin in an electrician's solder?

Ans ☒ A. 40%, 60%

☒ B. 60%, 40%

☒ C. 50%, 50%

☒ D. 70%, 30%

Question ID : 149550819

Option 1 ID : 1495503273

Option 2 ID : 1495503274

Option 3 ID : 1495503276

Option 4 ID : 1495503275

Status : Answered

Chosen Option : A

Q.7 Which of the following is used as flux for soldering galvanised iron and zinc?

- Ans
- ☐ A. Rosin
 - ☐ B. Tallow
 - ☐ C. Ammonium nitrate
 - ☒ D. Diluted hydrochloric acid

Question ID : 149550818

Option 1 ID : 1495503269

Option 2 ID : 1495503272

Option 3 ID : 1495503270

Option 4 ID : 1495503271

Status : Answered

Chosen Option : C

Q.8 Nickel iron battery is generally used in?

- Ans
- ☐ A. Cars
 - ☒ B. Aeroplanes
 - ☐ C. Laboratory
 - ☐ D. Domestic bell

Question ID : 149550850

Option 1 ID : 1495503399

Option 2 ID : 1495503398

Option 3 ID : 1495503400

Option 4 ID : 1495503397

Status : Answered

Chosen Option : B

Q.9 MCCB stands for _____?

- Ans
- ☒ A. Moulded case circuit breaker
 - ☐ B. Minimum current circuit breaker
 - ☐ C. Mould case current breaker
 - ☐ D. Miniature current circuit breaker

Question ID : 149550840

Option 1 ID : 1495503359

Option 2 ID : 1495503357

Option 3 ID : 1495503360

Option 4 ID : 1495503358

Status : Answered

Chosen Option : A

Q.10 Which of the following represents electromotive force?

- Ans
- ☐ A. Ohm
 - ☐ B. Ampere
 - ☒ C. Volt
 - ☐ D. Coulomb

Question ID : 149550812
Option 1 ID : 1495503247
Option 2 ID : 1495503246
Option 3 ID : 1495503245
Option 4 ID : 1495503248
Status : Answered
Chosen Option : C

Q.11 Which law state that in closed electric circuit, the applied voltage is equal to the sum of the voltage drop?

- Ans
- ☐ A. Ohm's law
 - ☒ B. Kirchhoff's second law
 - ☐ C. Kirchhoff's first law
 - ☐ D. Laws of resistance

Question ID : 149550831
Option 1 ID : 1495503321
Option 2 ID : 1495503324
Option 3 ID : 1495503323
Option 4 ID : 1495503322
Status : Answered
Chosen Option : B

Q.12 What is the reason of lead acid battery plates getting short?

- Ans
- ☐ A. Charging at high voltage
 - ☐ B. Charging at high current
 - ☒ C. Due to sedimentation
 - ☐ D. Charging at low current

Question ID : 149550843
Option 1 ID : 1495503372
Option 2 ID : 1495503370
Option 3 ID : 1495503371
Option 4 ID : 1495503369
Status : Answered
Chosen Option : C

Q.13 What is the value of resistance in an open circuit?

- Ans
- ☐ A. High
 - ☐ B. Low
 - ☒ C. Infinity
 - ☐ D. Zero

Question ID : 149550828

Option 1 ID : 1495503311

Option 2 ID : 1495503310

Option 3 ID : 1495503312

Option 4 ID : 1495503309

Status : Answered

Chosen Option : C

Q.14 Which of the following is a good conductor of electricity?

- Ans
- ☐ A. Ebonite
 - ☐ B. Rubber
 - ☒ C. Copper
 - ☐ D. Bakelite

Question ID : 149550822

Option 1 ID : 1495503287

Option 2 ID : 1495503285

Option 3 ID : 1495503286

Option 4 ID : 1495503288

Status : Answered

Chosen Option : C

Q.15 A copper wire has a length of 2 m and cross-sectional area of 1 mm². If the resistivity of copper is $1.68 \times 10^{-8} \Omega \cdot \text{m}$, its resistance is:

- Ans
- ☐ A. 3.36 Ω
 - ☒ B. 0.0336 Ω
 - ☐ C. 33.6 Ω
 - ☐ D. 0.168 Ω

Question ID : 149550814

Option 1 ID : 1495503255

Option 2 ID : 1495503253

Option 3 ID : 1495503256

Option 4 ID : 1495503254

Status : Answered

Chosen Option : B

Q.16 For what purpose are cells connected in parallel?

- Ans
- ☐ A. To decrease the voltage output
 - ☐ B. To decrease the current capacity
 - ☒ C. To increase the current capacity
 - ☐ D. To increase the voltage output

Question ID : 149550847

Option 1 ID : 1495503386

Option 2 ID : 1495503388

Option 3 ID : 1495503387

Option 4 ID : 1495503385

Status : Answered

Chosen Option : C

Q.17 Which metal is used for wire wound resistor?

- Ans
- ☒ A. Manganin
 - ☐ B. Copper
 - ☐ C. Aluminium
 - ☐ D. Eureka

Question ID : 149550823

Option 1 ID : 1495503290

Option 2 ID : 1495503289

Option 3 ID : 1495503292

Option 4 ID : 1495503291

Status : Answered

Chosen Option : A

Q.18 How many lead-acid cells are to be grouped for a 12 V battery, and by which connection?

- Ans
- ☐ A. 6 cells in parallel
 - ☐ B. 12 cells in parallel
 - ☒ C. 6 cells in series
 - ☐ D. 12 cells in series

Question ID : 149550848

Option 1 ID : 1495503389

Option 2 ID : 1495503391

Option 3 ID : 1495503390

Option 4 ID : 1495503392

Status : Answered

Chosen Option : C

Q.19 A substance which occupies some space, weight, and can be felt by one or more senses is:

- Ans
- ☐ A. Mass
 - ☒ B. Matter
 - ☐ C. Weight
 - ☐ D. Speed

Question ID : 149550816

Option 1 ID : 1495503264

Option 2 ID : 1495503261

Option 3 ID : 1495503262

Option 4 ID : 1495503263

Status : Answered

Chosen Option : B

Q.20 A relay is used to _____?

- Ans
- ☐ A. Allow the fault current
 - ☐ B. Sense the fault
 - ☒ C. Sense the fault & direct to trip the circuit breaker
 - ☐ D. Break the fault current

Question ID : 149550841

Option 1 ID : 1495503364

Option 2 ID : 1495503362

Option 3 ID : 1495503363

Option 4 ID : 1495503361

Status : Answered

Chosen Option : C

Q.21 Which formula is used to calculate the power of a DC circuit?

- Ans
- ☐ A. Voltage $\times$ Time
 - ☐ B. Voltage $\times$ Resistance
 - ☐ C. Current $\times$ Resistance
 - ☒ D. Current $\times$ Voltage

Question ID : 149550827

Option 1 ID : 1495503305

Option 2 ID : 1495503308

Option 3 ID : 1495503307

Option 4 ID : 1495503306

Status : Answered

Chosen Option : D

Q.22 Which type of hammer is used for extracting nails from the wood?

- Ans
- ☐ A. Ballpeen hammer
 - ☒ B. Claw hammer
 - ☐ C. straight hammer
 - ☐ D. Cross peen hammer

Question ID : 149550811
Option 1 ID : 1495503241
Option 2 ID : 1495503242
Option 3 ID : 1495503244
Option 4 ID : 1495503243
Status : Answered
Chosen Option : B

Q.23 What is the full form of BIS?

- Ans
- ☐ A. Board of International Standard
 - ☐ B. Board of Indian Standard
 - ☒ C. Bureau of Indian Standard
 - ☐ D. Bureau of International Standard

Question ID : 149550820
Option 1 ID : 1495503279
Option 2 ID : 1495503277
Option 3 ID : 1495503278
Option 4 ID : 1495503280
Status : Answered
Chosen Option : D

Q.24 In electrolysis process the mass of substances liberated or deposited is directly proportional to

- Ans
- ☐ A. Specific resistance of the plate
 - ☐ B. Internal resistance
 - ☐ C. Voltage and resistance
 - ☒ D. Current and time

Question ID : 149550844
Option 1 ID : 1495503376
Option 2 ID : 1495503375
Option 3 ID : 1495503374
Option 4 ID : 1495503373
Status : Answered
Chosen Option : D

Q.25 Which of the following is the unit of electrical quantity (charge)?

- Ans ☒ A. Volt
☒ B. Faraday
☒ C. Coulomb
☒ D. Newton

Question ID : 149550813
Option 1 ID : 1495503251
Option 2 ID : 1495503252
Option 3 ID : 1495503250
Option 4 ID : 1495503249
Status : Answered
Chosen Option : C

Q.26 The capacitance of the capacitor is directly proportional to the _____?

- Ans ☒ A. Voltage across the plate
☒ B. Material of the plate
☒ C. Area of the plate
☒ D. Polarity of the plates

Question ID : 149550835
Option 1 ID : 1495503339
Option 2 ID : 1495503337
Option 3 ID : 1495503338
Option 4 ID : 1495503340
Status : Answered
Chosen Option : C

Q.27 Which electrolyte is used in Li-ion battery?

- Ans ☒ A. Cobalt
☒ B. Lead dioxide
☒ C. Sulphur dioxide
☒ D. Lithium based gel

Question ID : 149550846
Option 1 ID : 1495503384
Option 2 ID : 1495503381
Option 3 ID : 1495503383
Option 4 ID : 1495503382
Status : Answered
Chosen Option : B

Q.28 How many electrons are in an aluminium atom?

Ans ☒ A. 43

☒ B. 18

☒ C. 13

☒ D. 29

Question ID : 149550821

Option 1 ID : 1495503284

Option 2 ID : 1495503282

Option 3 ID : 1495503281

Option 4 ID : 1495503283

Status : Answered

Chosen Option : C

Q.29 Sulphation in a battery is caused due to

Ans ☒ A. Too high rate of charge

☒ B. Trickle charge

☒ C. Moisture

☒ D. Over charge and left discharge for long time

Question ID : 149550845

Option 1 ID : 1495503378

Option 2 ID : 1495503377

Option 3 ID : 1495503380

Option 4 ID : 1495503379

Status : Answered

Chosen Option : D

Q.30 Which type of capacitor is used in capacitor-start AC motor?

Ans ☒ A. Paper capacitor

☒ B. Mica capacitor

☒ C. Ceramic capacitor

☒ D. Electrolytic capacitor

Question ID : 149550836

Option 1 ID : 1495503343

Option 2 ID : 1495503344

Option 3 ID : 1495503342

Option 4 ID : 1495503341

Status : Answered

Chosen Option : D

Q.31 Which particle of an atom has positive charge?

- Ans ☒ A. Proton
☒ B. Nucleus
☒ C. Neutron
☒ D. Electron

Question ID : 149550815

Option 1 ID : 1495503257

Option 2 ID : 1495503260

Option 3 ID : 1495503259

Option 4 ID : 1495503258

Status : Answered

Chosen Option : A

Q.32 The ratio of the fusing current to the rated current of fuse wire is known as

- Ans ☒ A. Fusing factor
☒ B. Fuse element
☒ C. Fusing capacity
☒ D. Fusing current

Question ID : 149550839

Option 1 ID : 1495503355

Option 2 ID : 1495503353

Option 3 ID : 1495503356

Option 4 ID : 1495503354

Status : Answered

Chosen Option : A

Q.33 The resistance offered in the way of flux is called as _____?

- Ans ☒ A. Reluctance
☒ B. Susceptance
☒ C. Conductance
☒ D. Resistance

Question ID : 149550833

Option 1 ID : 1495503330

Option 2 ID : 1495503332

Option 3 ID : 1495503331

Option 4 ID : 1495503329

Status : Answered

Chosen Option : A

Q.34 Which characteristic definitively classifies a component as non-linear?

- Ans**
- ☐ A. It has the ability to store energy in an electric field
 - ☒ B. Its resistance changes with the applied voltage or current
 - ☐ C. It can provide power gain
 - ☐ D. It absorbs power

Question ID : 149550830

Option 1 ID : 1495503319

Option 2 ID : 1495503318

Option 3 ID : 1495503320

Option 4 ID : 1495503317

Status : Answered

Chosen Option : A

Q.35 What is the possible range to measure the size of wire in Standard Wire Gauge (SWG)?

- Ans**
- ☐ A. 0-38 SWG
 - ☒ B. 0-44 SWG
 - ☐ C. 0-42 SWG
 - ☐ D. 0-30 SWG

Question ID : 149550824

Option 1 ID : 1495503295

Option 2 ID : 1495503293

Option 3 ID : 1495503294

Option 4 ID : 1495503296

Status : Answered

Chosen Option : C

Q.36 A fuse works on which effect of electricity?

- Ans**
- ☐ A. Magnetic
 - ☐ B. Light
 - ☒ C. Heating
 - ☐ D. Chemical

Question ID : 149550837

Option 1 ID : 1495503348

Option 2 ID : 1495503347

Option 3 ID : 1495503345

Option 4 ID : 1495503346

Status : Answered

Chosen Option : C

Q.37 Which of the following components is the best example of an active element?

- Ans**
- ☐ A. Resistor
 - ☐ B. Capacitor
 - ☒ C. Transistor
 - ☐ D. Inductor

Question ID : 149550829
Option 1 ID : 1495503313
Option 2 ID : 1495503315
Option 3 ID : 1495503316
Option 4 ID : 1495503314
Status : Answered
Chosen Option : C

Q.38 How a fuse is installed in an electric circuit?

- Ans**
- ☐ A. In parallel to the phase
 - ☐ B. In parallel to the neutral
 - ☐ C. In series with the neutral
 - ☒ D. In series with the phase

Question ID : 149550838
Option 1 ID : 1495503352
Option 2 ID : 1495503351
Option 3 ID : 1495503349
Option 4 ID : 1495503350
Status : Answered
Chosen Option : D

Q.39 The rate of change of displacement of a body in any direction is called as _____?

- Ans**
- ☐ A. Mass
 - ☒ B. Speed
 - ☐ C. Matter
 - ☐ D. Weight

Question ID : 149550817
Option 1 ID : 1495503265
Option 2 ID : 1495503267
Option 3 ID : 1495503268
Option 4 ID : 1495503266
Status : Answered
Chosen Option : B

Q.40 As per Ohm's law, the circuit current is inversely proportional to which of the following?

- Ans
- ☐ A. Specific resistance
 - ☐ B. Voltage
 - ☒ C. Resistance
 - ☐ D. Quantity of electricity

Question ID : 149550826

Option 1 ID : 1495503304

Option 2 ID : 1495503301

Option 3 ID : 1495503302

Option 4 ID : 1495503303

Status : Answered

Chosen Option : C

Section : Part II Section B

Q.1 In DC machine, the field coils are wound with _____

- Ans
- ☐ A. GI wire
 - ☒ B. Copper wire
 - ☐ C. Eureka wire
 - ☐ D. Steel wire

Question ID : 149550851

Option 1 ID : 1495503404

Option 2 ID : 1495503402

Option 3 ID : 1495503403

Option 4 ID : 1495503401

Status : Answered

Chosen Option : B

Q.2 What is the resonance frequency of a series RLC circuit with $L = 1 \text{ H}$ and $C = 100 \mu\text{F}$?

- Ans
- ☐ A. 50 Hz
 - ☐ B. 10.6 Hz
 - ☒ C. 15.9 Hz
 - ☐ D. 31.8 Hz

Question ID : 149550882

Option 1 ID : 1495503527

Option 2 ID : 1495503526

Option 3 ID : 1495503525

Option 4 ID : 1495503528

Status : Answered

Chosen Option : A

Q.3 Which exciter is normally used in synchronous motor?

- Ans
- ☒ A. Shunt generator
 - ☐ B. Compound Generator
 - ☐ C. Battery
 - ☐ D. Series generator

Question ID : 149550867

Option 1 ID : 1495503466

Option 2 ID : 1495503468

Option 3 ID : 1495503467

Option 4 ID : 1495503465

Status : Answered

Chosen Option : A

Q.4 Which of the following maintenance steps is most important for transformer bushings?

- Ans
- ☐ A. Checking the temperature gauge
 - ☒ B. Cleaning and inspecting for cracks or leaks
 - ☐ C. Refilling the transformer oil
 - ☐ D. Changing the transformer tap position

Question ID : 149550890

Option 1 ID : 1495503558

Option 2 ID : 1495503559

Option 3 ID : 1495503560

Option 4 ID : 1495503557

Status : Answered

Chosen Option : B

Q.5 What happens to a DC generator if it is kept idle for a long time?

- Ans
- ☒ A. Loses its residual magnetism
 - ☐ B. Armature resistance increases
 - ☐ C. Increase the armature reaction
 - ☐ D. Field coil resistance increases

Question ID : 149550857

Option 1 ID : 1495503428

Option 2 ID : 1495503426

Option 3 ID : 1495503427

Option 4 ID : 1495503425

Status : Answered

Chosen Option : A

Q.6 Which type of energy is converted into electrical energy by a generator?

- Ans**
- ☐ A. Heating
 - ☐ B. Kinetic
 - ☐ C. Chemical
 - ☒ D. Mechanical

Question ID : 149550855

Option 1 ID : 1495503417

Option 2 ID : 1495503418

Option 3 ID : 1495503419

Option 4 ID : 1495503420

Status : Answered

Chosen Option : D

Q.7 Which component in a control panel protects circuits from overcurrent?

- Ans**
- ☐ A. Contactor
 - ☐ B. Switch
 - ☒ C. MCB
 - ☐ D. Relay

Question ID : 149550878

Option 1 ID : 1495503509

Option 2 ID : 1495503512

Option 3 ID : 1495503510

Option 4 ID : 1495503511

Status : Answered

Chosen Option : C

Q.8 What is the necessity of residual magnetism in a self-excited DC generator?

- Ans**
- ☐ A. Maintain constant output voltage
 - ☐ B. Reduce the field current
 - ☐ C. Reduce the armature current
 - ☒ D. Build up voltage

Question ID : 149550856

Option 1 ID : 1495503424

Option 2 ID : 1495503422

Option 3 ID : 1495503423

Option 4 ID : 1495503421

Status : Answered

Chosen Option : C

Q.9 What is a main advantage of a universal motor?

- Ans**
- ☐ A. Very big and heavy
 - ☐ B. Very low starting torque
 - ☒ C. Works on both AC and DC power
 - ☐ D. Runs very slowly

Question ID : 149550877

Option 1 ID : 1495503507

Option 2 ID : 1495503508

Option 3 ID : 1495503506

Option 4 ID : 1495503505

Status : Answered

Chosen Option : C

Q.10 What is the effect of armature reaction in DC generator?

- Ans**
- ☐ A. Output voltage is pulsating
 - ☐ B. Output voltage will become zero
 - ☐ C. Output voltage increases
 - ☒ D. Output voltage decreases

Question ID : 149550860

Option 1 ID : 1495503439

Option 2 ID : 1495503440

Option 3 ID : 1495503437

Option 4 ID : 1495503438

Status : Answered

Chosen Option : D

Q.11 Which type of starter is used to start a DC shunt motor?

- Ans**
- ☐ A. Drum type
 - ☐ B. 4 point
 - ☐ C. 2 point
 - ☒ D. 3 point

Question ID : 149550863

Option 1 ID : 1495503452

Option 2 ID : 1495503451

Option 3 ID : 1495503449

Option 4 ID : 1495503450

Status : Answered

Chosen Option : D

Q.12 The series motor should not be started without load due to:

- Ans ☒ A. Very high speed
- ☒ B. High armature current
- ☒ C. No torque at no load
- ☒ D. Low armature current

Question ID : 149550861

Option 1 ID : 1495503443

Option 2 ID : 1495503441

Option 3 ID : 1495503444

Option 4 ID : 1495503442

Status : Answered

Chosen Option : B

Q.13 What is the phase angle difference between the phase winding of a 3 phase induction motor?

- Ans ☒ A. 180 degree
- ☒ B. 90 degree
- ☒ C. 360 degree
- ☒ D. 120 degree

Question ID : 149550870

Option 1 ID : 1495503479

Option 2 ID : 1495503477

Option 3 ID : 1495503480

Option 4 ID : 1495503478

Status : Answered

Chosen Option : D

Q.14 Which advantage does a star connection offer for three-phase loads?

- Ans ☒ A. Higher line current than phase current
- ☒ B. Eliminates the need for insulation
- ☒ C. Reduces line-to-line voltage to zero
- ☒ D. Neutral allows connection of single-phase appliances

Question ID : 149550884

Option 1 ID : 1495503534

Option 2 ID : 1495503533

Option 3 ID : 1495503536

Option 4 ID : 1495503535

Status : Answered

Chosen Option : D

Q.15 What is the speed of the field winding of a DC shunt motor in open circuit?

- Ans
- ☐ A. Motor runs normally
 - ☒ B. Runs at very high speed
 - ☐ C. Stop running
 - ☐ D. Runs at slow speed

Question ID : 149550866

Option 1 ID : 1495503462

Option 2 ID : 1495503464

Option 3 ID : 1495503461

Option 4 ID : 1495503463

Status : Answered

Chosen Option : C

Q.16 Which material is used for DC motor stamping?

- Ans
- ☒ A. Silicon steel
 - ☐ B. High carbon steel
 - ☐ C. Cast iron
 - ☐ D. Carbon steel

Question ID : 149550862

Option 1 ID : 1495503445

Option 2 ID : 1495503447

Option 3 ID : 1495503448

Option 4 ID : 1495503446

Status : Answered

Chosen Option : A

Q.17 Calculate the power factor of R.L.C circuit having resistance (R) = 40 Ohms resultant reactance (X) = 30 Ohms connected across 240V, 50Hz AC supply?

- Ans
- ☐ A. 0.5
 - ☒ B. 0.8
 - ☐ C. 0.6
 - ☐ D. 0.3

Question ID : 149550883

Option 1 ID : 1495503530

Option 2 ID : 1495503532

Option 3 ID : 1495503531

Option 4 ID : 1495503529

Status : Answered

Chosen Option : B

Q.18 Which rule is used to find out the direction of the magnetic field around a current carrying conductor?

- Ans
- ☐ A. Fleming's right hand rule
 - ☐ B. Right hand palm rule
 - ☐ C. Fleming's left hand rule
 - ☒ D. Cork screw rule

Question ID : 149550852

Option 1 ID : 1495503408

Option 2 ID : 1495503406

Option 3 ID : 1495503407

Option 4 ID : 1495503405

Status : Answered

Chosen Option : B

Q.19 What is the minimum number of windings in an auto-transformer?

- Ans
- ☐ A. Four
 - ☒ B. One
 - ☐ C. Two
 - ☐ D. Three

Question ID : 149550885

Option 1 ID : 1495503540

Option 2 ID : 1495503537

Option 3 ID : 1495503539

Option 4 ID : 1495503538

Status : Answered

Chosen Option : B

Q.20 What is the main function of the capacitor in a capacitor start single-phase motor?

- Ans
- ☐ A. Reduce power consumption
 - ☐ B. Increase speed
 - ☐ C. Improve power factor
 - ☒ D. Create phase shift for starting torque

Question ID : 149550874

Option 1 ID : 1495503493

Option 2 ID : 1495503495

Option 3 ID : 1495503496

Option 4 ID : 1495503494

Status : Answered

Chosen Option : D

Q.21 Calculate the synchronous speed of induction motor having 4 poles fed with 50 Hz supply.

Ans ☒ A. 1500 r.p.m.

☐ B. 750 r.p.m.

☐ C. 200 r.p.m.

☐ D. 1000 r.p.m.

Question ID : 149550872

Option 1 ID : 1495503485

Option 2 ID : 1495503487

Option 3 ID : 1495503488

Option 4 ID : 1495503486

Status : Answered

Chosen Option : A

Q.22 What is the primary role of a Buchholz relay in transformer protection?

Ans ☒ A. To detect internal faults in oil-filled transformers

☐ B. To protect against external short circuits

☐ C. To regulate transformer output voltage

☐ D. To measure transformer temperature

Question ID : 149550888

Option 1 ID : 1495503552

Option 2 ID : 1495503549

Option 3 ID : 1495503550

Option 4 ID : 1495503551

Status : Answered

Chosen Option : A

Q.23 What is the main purpose of the auxiliary winding in a single-phase split phase induction motor?

Ans ☐ A. To reduce power consumption

☐ B. To provide running torque

☒ C. To create a phase difference for starting torque

☐ D. To increase speed

Question ID : 149550875

Option 1 ID : 1495503499

Option 2 ID : 1495503497

Option 3 ID : 1495503498

Option 4 ID : 1495503500

Status : Answered

Chosen Option : C

Q.24 Which is the main purpose of conducting an open circuit test on a transformer?

Ans ☒ A. To determine core (iron) losses

☒ B. To measure copper losses

☒ C. To measure leakage reactance

☒ D. To check winding resistance

Question ID : 149550886

Option 1 ID : 1495503542

Option 2 ID : 1495503541

Option 3 ID : 1495503544

Option 4 ID : 1495503543

Status : Answered

Chosen Option : A

Q.25 Calculate the inductive reactance of a 0.02 H inductor connected to a 250 V, 50 Hz supply

Ans ☒ A. 9.56 Ohms

☒ B. 3.14 Ohms

☒ C. 6.28 Ohms

☒ D. 4.48 Ohms

Question ID : 149550880

Option 1 ID : 1495503518

Option 2 ID : 1495503517

Option 3 ID : 1495503519

Option 4 ID : 1495503520

Status : Answered

Chosen Option : C

Q.26 How can the demagnetising effect of armature reaction be neutralized in large DC generators?

Ans ☒ A. Increase brush contact resistance

☒ B. Providing additional interpoles

☒ C. Using compensating winding

☒ D. Adding resistance wires with winding

Question ID : 149550859

Option 1 ID : 1495503435

Option 2 ID : 1495503434

Option 3 ID : 1495503433

Option 4 ID : 1495503436

Status : Answered

Chosen Option : C

Q.27 The series field diverter speed control method is mainly used in _____?

- Ans
- ☒ A. Food mixture
 - ☒ B. Electric fan
 - ☒ C. Printing machine
 - ☒ D. Fan motor

Question ID : 149550864

Option 1 ID : 1495503455

Option 2 ID : 1495503454

Option 3 ID : 1495503456

Option 4 ID : 1495503453

Status : Answered

Chosen Option : A

Q.28 How are interpoles connected in a DC machine?

- Ans
- ☒ A. In series with shunt field
 - ☒ B. In series with armature
 - ☒ C. In parallel with armature
 - ☒ D. In parallel with shunt field

Question ID : 149550853

Option 1 ID : 1495503411

Option 2 ID : 1495503409

Option 3 ID : 1495503410

Option 4 ID : 1495503412

Status : Answered

Chosen Option : B

Q.29 Which test can be performed to detect a short circuit in the stator winding of an induction motor?

- Ans
- ☒ A. No-load test
 - ☒ B. Speed test
 - ☒ C. Insulation resistance test
 - ☒ D. Locked rotor test

Question ID : 149550873

Option 1 ID : 1495503489

Option 2 ID : 1495503492

Option 3 ID : 1495503491

Option 4 ID : 1495503490

Status : Answered

Chosen Option : A

Q.30 Why is the armature core of a DC generator laminated?

- Ans**
- ☐ A. Reduce the hysteresis loss
 - ☐ B. Reduce the friction loss
 - ☐ C. Reduce the copper loss
 - ☒ D. Reduce the eddy current loss

Question ID : 149550858

Option 1 ID : 1495503431

Option 2 ID : 1495503430

Option 3 ID : 1495503429

Option 4 ID : 1495503432

Status : Answered

Chosen Option : D

Q.31 Which device is commonly used to check the insulation resistance between a motor winding and its frame?

- Ans**
- ☐ A. Ammeter
 - ☐ B. Multimeter
 - ☒ C. Megger
 - ☐ D. Voltmeter

Question ID : 149550871

Option 1 ID : 1495503481

Option 2 ID : 1495503484

Option 3 ID : 1495503482

Option 4 ID : 1495503483

Status : Answered

Chosen Option : C

Q.32 What is the purpose of the crackle test on transformer oil?

- Ans**
- ☒ A. To detect the presence of moisture in the oil
 - ☐ B. To check the viscosity of the oil
 - ☐ C. To measure the oil's dielectric breakdown voltage
 - ☐ D. To determine the acidity (acid number) of the oil

Question ID : 149550889

Option 1 ID : 1495503554

Option 2 ID : 1495503556

Option 3 ID : 1495503553

Option 4 ID : 1495503555

Status : Answered

Chosen Option : C

Q.33 Which method of speed control gives below the rated speed in DC series motor?

- Ans
- ☐ A. Tapped field method
 - ☐ B. Voltage control method
 - ☒ C. Armature diverter method
 - ☐ D. Field diverter method

Question ID : 149550865
Option 1 ID : 1495503458
Option 2 ID : 1495503459
Option 3 ID : 1495503460
Option 4 ID : 1495503457
Status : Answered
Chosen Option : A

Q.34 What type of rotor is used in a shaded pole motor?

- Ans
- ☒ A. Wound rotor
 - ☐ B. Squirrel cage rotor
 - ☐ C. Permanent magnet rotor
 - ☐ D. Slip ring rotor

Question ID : 149550876
Option 1 ID : 1495503503
Option 2 ID : 1495503502
Option 3 ID : 1495503504
Option 4 ID : 1495503501
Status : Answered
Chosen Option : B

Q.35 Calculate the number of primary turn of transformer rated voltage 2400/240V has 400 turns on secondary winding.

- Ans
- ☒ A. 4000
 - ☐ B. 2000
 - ☐ C. 1000
 - ☐ D. 3000

Question ID : 149550887
Option 1 ID : 1495503545
Option 2 ID : 1495503547
Option 3 ID : 1495503548
Option 4 ID : 1495503546
Status : Answered
Chosen Option : A

Q.36 A synchronous motor is overheated due to which of the following reasons?

Ans ☒ A. Excessive load on motor

☒ B. Open circuit in a winding

☒ C. Low load on motor

☒ D. High voltage at terminal

Question ID : 149550868

Option 1 ID : 1495503471

Option 2 ID : 1495503470

Option 3 ID : 1495503472

Option 4 ID : 1495503469

Status : Answered

Chosen Option : A

Q.37 Which insulating material is used to insulate the commutator segments from each other?

Ans ☒ A. Mica

☒ B. Insulation tape

☒ C. Insulating varnish

☒ D. Asbestos

Question ID : 149550854

Option 1 ID : 1495503413

Option 2 ID : 1495503414

Option 3 ID : 1495503416

Option 4 ID : 1495503415

Status : Answered

Chosen Option : A

Q.38 What is the definition of the form factor in AC circuits?

Ans ☒ A. Ratio of RMS value to average value of an AC waveform

☒ B. Ratio of peak value to RMS value

☒ C. Ratio of average value to RMS value of an AC waveform

☒ D. Ratio of peak value to average value

Question ID : 149550881

Option 1 ID : 1495503521

Option 2 ID : 1495503523

Option 3 ID : 1495503522

Option 4 ID : 1495503524

Status : Answered

Chosen Option : A

Q.39 Three phase terminal can be identified by which test?

- Ans
- ☒ A. Stroboscopic test
 - ☒ B. Phase sequence test
 - ☒ C. Open circuit test
 - ☒ D. Short circuit test

Question ID : 149550869

Option 1 ID : 1495503474

Option 2 ID : 1495503473

Option 3 ID : 1495503476

Option 4 ID : 1495503475

Status : Marked For Review

Chosen Option : A

Q.40 What is the phase relationship between the current and the applied alternating EMF in a pure capacitor?

- Ans
- ☒ A. 0 degree (in phase)
 - ☒ B. 180 degree lead
 - ☒ C. 90 degree lead
 - ☒ D. 90 degree lag

Question ID : 149550879

Option 1 ID : 1495503515

Option 2 ID : 1495503516

Option 3 ID : 1495503514

Option 4 ID : 1495503513

Status : Answered

Chosen Option : C

Section : Part II Section C

Q.1 Which of the following is a disadvantage of a half-wave rectifier?

- Ans
- ☒ A. Needs a center-tap transformer
 - ☒ B. Requires multiple diodes
 - ☒ C. Has higher ripple
 - ☒ D. Gives full-wave output

Question ID : 149550917

Option 1 ID : 1495503667

Option 2 ID : 1495503665

Option 3 ID : 1495503666

Option 4 ID : 1495503668

Status : Answered

Chosen Option : C

Q.2 What effect does improper adjustment of rated voltage have on energy meter readings?

- Ans
- ☐ A. The meter immediately stops functioning.
 - ☐ B. The meter shows no significant change in reading.
 - ☐ C. Decrease accuracy
 - ☒ D. Causes constant errors in meter readings

Question ID : 149550907

Option 1 ID : 1495503627

Option 2 ID : 1495503625

Option 3 ID : 1495503628

Option 4 ID : 1495503626

Status : Answered

Chosen Option : C

Q.3 What operates the tripping mechanism in a Vacuum Circuit Breaker (VCB)?

- Ans
- ☒ A. Solenoid
 - ☐ B. Bimetallic thermal strip
 - ☐ C. Manual lever
 - ☐ D. Motor-operated cam

Question ID : 149550928

Option 1 ID : 1495503711

Option 2 ID : 1495503709

Option 3 ID : 1495503712

Option 4 ID : 1495503710

Status : Answered

Chosen Option : B

Q.4 What is the main working principle of a Permanent Magnet Moving Coil (PMMC) instrument?

- Ans
- ☐ A. Thermal expansion of a coil
 - ☐ B. Electrostatic force between charged plates
 - ☒ C. Interaction between magnetic field and current-carrying coil
 - ☐ D. Magnetic flux variation in a ferromagnetic core

Question ID : 149550902

Option 1 ID : 1495503608

Option 2 ID : 1495503606

Option 3 ID : 1495503607

Option 4 ID : 1495503605

Status : Answered

Chosen Option : C

Q.5 What is the primary purpose of earthing in electrical systems?

- Ans**
- ☐ A. To improve power factor
 - ☐ B. To reduce electricity consumption
 - ☐ C. To increase voltage supply
 - ☒ D. To protect from electric shock

Question ID : 149550895

Option 1 ID : 1495503580

Option 2 ID : 1495503579

Option 3 ID : 1495503577

Option 4 ID : 1495503578

Status : Answered

Chosen Option : D

Q.6 What is a major advantage of digital energy meters compared to analog meters?

- Ans**
- ☐ A. They cannot record energy consumption
 - ☒ B. They provide more accurate readings
 - ☐ C. They have moving parts that wear out
 - ☐ D. They require manual reading only

Question ID : 149550905

Option 1 ID : 1495503620

Option 2 ID : 1495503618

Option 3 ID : 1495503617

Option 4 ID : 1495503619

Status : Answered

Chosen Option : B

Q.7 Which is the correct way to connect a multimeter to measure current?

- Ans**
- ☐ A. In parallel with the circuit
 - ☐ B. Across the resistor
 - ☒ C. In series with the circuit
 - ☐ D. between neutral and ground wires.

Question ID : 149550904

Option 1 ID : 1495503613

Option 2 ID : 1495503616

Option 3 ID : 1495503615

Option 4 ID : 1495503614

Status : Answered

Chosen Option : C

Q.8 In motor control wiring, what is the purpose of a normally closed (NC) push button?

- Ans**
- ☐ A. To start the motor
 - ☐ B. Changing motor direction
 - ☒ C. To stop the motor
 - ☐ D. To increase the motor speed

Question ID : 149550899
Option 1 ID : 1495503593
Option 2 ID : 1495503594
Option 3 ID : 1495503595
Option 4 ID : 1495503596
Status : Answered
Chosen Option : C

Q.9 Which semiconductor is pure and contains no impurities?

- Ans**
- ☐ A. P-type
 - ☐ B. N-type
 - ☒ C. Intrinsic
 - ☐ D. Extrinsic

Question ID : 149550913
Option 1 ID : 1495503649
Option 2 ID : 1495503651
Option 3 ID : 1495503650
Option 4 ID : 1495503652
Status : Answered
Chosen Option : C

Q.10 Which factor determines the number of discs required in a suspension type insulator string?

- Ans**
- ☐ A. Type of conductor
 - ☒ B. Voltage of the line
 - ☐ C. Length of tower
 - ☐ D. Weight of the conductor

Question ID : 149550930
Option 1 ID : 1495503718
Option 2 ID : 1495503717
Option 3 ID : 1495503719
Option 4 ID : 1495503720
Status : Answered
Chosen Option : B

Q.11 Which type of current does a moving iron power factor meter operate on?

- Ans ☐ A. Both AC and DC
☒ B. Alternating current only
☐ C. Direct current only
☐ D. Pulsating DC

Question ID : 149550906

Option 1 ID : 1495503624

Option 2 ID : 1495503622

Option 3 ID : 1495503621

Option 4 ID : 1495503623

Status : Answered

Chosen Option : B

Q.12 How many diodes are used in bridge rectifier

- Ans ☐ A. 1
☒ B. 4
☐ C. 6
☐ D. 2

Question ID : 149550916

Option 1 ID : 1495503663

Option 2 ID : 1495503662

Option 3 ID : 1495503664

Option 4 ID : 1495503661

Status : Answered

Chosen Option : B

Q.13 What color is typically used for the earth wire in motor wiring as per standard?

- Ans ☐ A. Black
☒ B. Green
☐ C. Red
☐ D. Blue

Question ID : 149550898

Option 1 ID : 1495503592

Option 2 ID : 1495503591

Option 3 ID : 1495503589

Option 4 ID : 1495503590

Status : Answered

Chosen Option : B

Q.14 Which condition is necessary for an AND gate to produce 1?

- Ans
- ☐ A. Only one input is 1
 - ☐ B. All inputs are 0
 - ☐ C. Only one input is 0
 - ☒ D. All inputs are 1

Question ID : 149550920

Option 1 ID : 1495503677

Option 2 ID : 1495503680

Option 3 ID : 1495503679

Option 4 ID : 1495503678

Status : Answered

Chosen Option : D

Q.15 What causes a neon lamp to glow when electricity is passed through it?

- Ans
- ☒ A. Gas ionization effect
 - ☐ B. Magnetic effect
 - ☐ C. Heating effect
 - ☐ D. Chemical effect

Question ID : 149550910

Option 1 ID : 1495503640

Option 2 ID : 1495503638

Option 3 ID : 1495503637

Option 4 ID : 1495503639

Status : Answered

Chosen Option : A

Q.16 What is the main advantage of using a clamp-on meter?

- Ans
- ☐ A. Measures resistance in circuits
 - ☐ B. Measures frequency without breaking the circuit
 - ☒ C. Measures A.C current without breaking the circuit
 - ☐ D. Measures A.C voltage without connection

Question ID : 149550903

Option 1 ID : 1495503610

Option 2 ID : 1495503612

Option 3 ID : 1495503609

Option 4 ID : 1495503611

Status : Answered

Chosen Option : D

Q.17 What is the role of deflecting torque in a moving coil meter?

Ans ☒ A. Oppose controlling torque

☒ B. Reset pointer

☒ C. Cause pointer deflection

☒ D. Reduce friction

Question ID : 149550900

Option 1 ID : 1495503599

Option 2 ID : 1495503597

Option 3 ID : 1495503598

Option 4 ID : 1495503600

Status : Answered

Chosen Option : C

Q.18 Which device in a thermal power plant improves fuel efficiency by recovering heat from flue gases?

Ans ☒ A. Economizer

☒ B. Transformer

☒ C. Superheater

☒ D. Cooling tower

Question ID : 149550923

Option 1 ID : 1495503691

Option 2 ID : 1495503690

Option 3 ID : 1495503689

Option 4 ID : 1495503692

Status : Answered

Chosen Option : A

Q.19 What is the effect of connecting multiple earth electrodes in series?

Ans ☒ A. It insulates the system

☒ B. It increases resistance

☒ C. It decreases resistance

☒ D. No effect on resistance

Question ID : 149550896

Option 1 ID : 1495503584

Option 2 ID : 1495503582

Option 3 ID : 1495503581

Option 4 ID : 1495503583

Status : Answered

Chosen Option : C

Q.20 What happens when a gate pulse is applied to the TRIAC?

- Ans**
- ☒ A. It conducts current in both directions
 - ☐ B. It shuts down the circuit
 - ☐ C. It conducts current only in forward direction
 - ☐ D. It blocks current completely

Question ID : 149550918
Option 1 ID : 1495503669
Option 2 ID : 1495503672
Option 3 ID : 1495503671
Option 4 ID : 1495503670
Status : Answered
Chosen Option : A

Q.21 What is the diversity factor in an electrical system?

- Ans**
- ☐ A. Ratio of average load to overall maximum demand
 - ☐ B. Ratio of overall maximum demand to connected load
 - ☒ C. Ratio of sum of individual maximum demands to overall maximum demand
 - ☐ D. Ratio of overall maximum demand to sum of individual maximum demands

Question ID : 149550925
Option 1 ID : 1495503700
Option 2 ID : 1495503699
Option 3 ID : 1495503697
Option 4 ID : 1495503698
Status : Answered
Chosen Option : D

Q.22 What factor is most important when grading cables?

- Ans**
- ☒ A. Voltage level the cable can safely carry
 - ☐ B. Thickness of the cable
 - ☐ C. Color of the insulation
 - ☐ D. Length of the cable

Question ID : 149550893
Option 1 ID : 1495503571
Option 2 ID : 1495503572
Option 3 ID : 1495503570
Option 4 ID : 1495503569
Status : Answered
Chosen Option : A

Q.23 What does a high load factor indicate in an electrical system?

- Ans**
- ☐ A. High peak demand and low energy usage
 - ☐ B. Poor system performance
 - ☐ C. Greater system losses
 - ☒ D. Efficient and consistent use of electrical power

Question ID : 149550926

Option 1 ID : 1495503701

Option 2 ID : 1495503703

Option 3 ID : 1495503704

Option 4 ID : 1495503702

Status : Answered

Chosen Option : A

Q.24 What is a common disadvantage of PVC casing and capping wiring?

- Ans**
- ☐ A. It is easy to install
 - ☒ B. It is inflammable and risk of fire
 - ☐ C. It is very expensive
 - ☐ D. It provides mechanical protection

Question ID : 149550894

Option 1 ID : 1495503576

Option 2 ID : 1495503574

Option 3 ID : 1495503573

Option 4 ID : 1495503575

Status : Answered

Chosen Option : B

Q.25 Which is the SI unit of light intensity (luminous intensity)?

- Ans**
- ☐ A. Lumen
 - ☐ B. Lux
 - ☐ C. Watt
 - ☒ D. Candela

Question ID : 149550909

Option 1 ID : 1495503634

Option 2 ID : 1495503633

Option 3 ID : 1495503636

Option 4 ID : 1495503635

Status : Answered

Chosen Option : D

Q.26 Which of the following is not a type of wire insulation?

Ans ☒ A. Rubber

☒ B. PVC

☒ C. Metal

☒ D. Plastic

Question ID : 149550891

Option 1 ID : 1495503562

Option 2 ID : 1495503561

Option 3 ID : 1495503564

Option 4 ID : 1495503563

Status : Answered

Chosen Option : C

Q.27 Which change takes place in the depletion region width when a diode is reverse biased?

Ans ☒ A. Width increases

☒ B. Width decreases

☒ C. Width becomes zero

☒ D. Width remains the same

Question ID : 149550915

Option 1 ID : 1495503660

Option 2 ID : 1495503657

Option 3 ID : 1495503659

Option 4 ID : 1495503658

Status : Answered

Chosen Option : A

Q.28 Why are ACBs preferred in high current systems?

Ans ☒ A. Can handle high fault currents

☒ B. To reduce voltage

☒ C. Can change frequency of supply

☒ D. To Increase resistance

Question ID : 149550927

Option 1 ID : 1495503705

Option 2 ID : 1495503706

Option 3 ID : 1495503707

Option 4 ID : 1495503708

Status : Answered

Chosen Option : A

Q.29 What happens to the channel resistance of a JFET when a negative voltage is applied to the gate terminal?

- Ans
- ☐ A. It remains constant
 - ☐ B. It becomes zero
 - ☐ C. It decreases
 - ☒ D. It increases

Question ID : 149550919
Option 1 ID : 1495503674
Option 2 ID : 1495503676
Option 3 ID : 1495503673
Option 4 ID : 1495503675
Status : Answered
Chosen Option : C

Q.30 Which of the following is a non-conventional source of energy?

- Ans
- ☐ A. Coal
 - ☒ B. Wind
 - ☐ C. Nuclear
 - ☐ D. Thermal

Question ID : 149550921
Option 1 ID : 1495503681
Option 2 ID : 1495503682
Option 3 ID : 1495503684
Option 4 ID : 1495503683
Status : Answered
Chosen Option : B

Q.31 What is meant by average demand in an electrical system?

- Ans
- ☐ A. The maximum power consumed at any instant
 - ☐ B. The power factor of the system
 - ☒ C. The total energy consumed divided by the total time period
 - ☐ D. The connected load of the system

Question ID : 149550924
Option 1 ID : 1495503693
Option 2 ID : 1495503695
Option 3 ID : 1495503694
Option 4 ID : 1495503696
Status : Answered
Chosen Option : C

Q.32 What happens to voltage drop if resistance in a circuit increases?

- Ans
- ☐ A. Voltage drop decreases
 - ☒ B. Voltage drop increases
 - ☐ C. Voltage drop becomes zero
 - ☐ D. Voltage drop remains same

Question ID : 149550892
Option 1 ID : 1495503565
Option 2 ID : 1495503567
Option 3 ID : 1495503568
Option 4 ID : 1495503566
Status : Answered
Chosen Option : B

Q.33 What is potential barrier for germanium diode?

- Ans
- ☐ A. 0.7 V
 - ☐ B. 0.6 V
 - ☒ C. 0.3 V
 - ☐ D. 0.8 V

Question ID : 149550914
Option 1 ID : 1495503653
Option 2 ID : 1495503654
Option 3 ID : 1495503655
Option 4 ID : 1495503656
Status : Answered
Chosen Option : C

Q.34 Which types of current can moving iron instruments measure?

- Ans
- ☐ A. Direct current (DC) only
 - ☐ B. AC only
 - ☒ C. Both AC and DC
 - ☐ D. High-frequency current only

Question ID : 149550901
Option 1 ID : 1495503601
Option 2 ID : 1495503603
Option 3 ID : 1495503604
Option 4 ID : 1495503602
Status : Answered
Chosen Option : B

Q.35 What device converts the kinetic energy of flowing water into mechanical energy?

- Ans
- ☐ A. Penstock
 - ☐ B. Transformer
 - ☐ C. Generator
 - ☒ D. Turbine

Question ID : 149550922
Option 1 ID : 1495503687
Option 2 ID : 1495503686
Option 3 ID : 1495503685
Option 4 ID : 1495503688
Status : Marked For Review
Chosen Option : A

Q.36 What is in excess in an N-type semiconductor?

- Ans
- ☐ A. Protons
 - ☒ B. Electrons
 - ☐ C. Holes
 - ☐ D. Neutrons

Question ID : 149550911
Option 1 ID : 1495503642
Option 2 ID : 1495503643
Option 3 ID : 1495503641
Option 4 ID : 1495503644
Status : Answered
Chosen Option : B

Q.37 What is the primary function of an Earth Leakage Relay (ELR)?

- Ans
- ☐ A. Detect overload current
 - ☒ B. Detect leakage current
 - ☐ C. Detect phase failure
 - ☐ D. Protect against lightning

Question ID : 149550897
Option 1 ID : 1495503585
Option 2 ID : 1495503587
Option 3 ID : 1495503586
Option 4 ID : 1495503588
Status : Answered
Chosen Option : B

Q.38 What is the main function of a pin type insulator?

Ans ☐ A. To increase the current-carrying capacity of conductors

☒ B. Support and insulate the conductor from the pole

☐ C. To increase the voltage system

☐ D. To connect two transmission lines

Question ID : 149550929

Option 1 ID : 1495503715

Option 2 ID : 1495503713

Option 3 ID : 1495503714

Option 4 ID : 1495503716

Status : Answered

Chosen Option : B

Q.39 Which law explains the reduction in illumination as the distance increases?

Ans ☐ A. Kirchhoff's Law

☐ B. Joule's Law

☒ C. Inverse Square Law

☐ D. Ohm's Law

Question ID : 149550908

Option 1 ID : 1495503632

Option 2 ID : 1495503629

Option 3 ID : 1495503631

Option 4 ID : 1495503630

Status : Answered

Chosen Option : C

Q.40 What is the process of adding impurity to a semiconductor called?

Ans ☐ A. Mixing

☐ B. Filtering

☒ C. Doping

☐ D. Insulation

Question ID : 149550912

Option 1 ID : 1495503646

Option 2 ID : 1495503647

Option 3 ID : 1495503648

Option 4 ID : 1495503645

Status : Answered

Chosen Option : C