

Gujarat Energy Transmission Corporation Limited

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Paper Id	Paper Name
1151947	VS Jr Engineer Electrical 10th June 2017 Shift2

Question Paper Name:	VS Jr Engineer Electrical 10th June 2017 Shift2
Subject Name:	VS Jr Engineer Electrical
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Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
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Rough Sketch/Notepad Required?:	No
Protractor Required?:	No

VS JR. ENGINEER_ELECTRICAL

Group Number :	1
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VS JR. ENGINEER_ELECTRICAL

Section Id :	1151947
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions to be attempted:	100
Section Marks:	100
Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 115194601 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which of the following is not equivalent to watts?

Options :

- ✓ amperes/volt
- ✗ amperes x volts
- ✗ (amperes)² x ohm
- ✗ joules per second

Question Number : 2 Question Id : 115194602 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Constant voltage source is

Options :

- ✓ active and unilateral
- ✗ active and bilateral
- ✗ passive and bilateral
- ✗ passive and unilateral

Question Number : 3 Question Id : 115194603 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Kirchhoff's laws are valid for

Options :

- ✓ both linear and nonlinear circuits
- ✗ linear circuits only
- ✗ passive time invariant circuits
- ✗ nonlinear circuits only

Question Number : 4 Question Id : 115194604 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The emf of primary cell depends upon the

Options :

- ✓ nature of electrolyte and nature of electrode
- ✗ physical dimensions of a cell
- ✗ nature of electrolyte
- ✗ nature of electrode

Question Number : 5 Question Id : 115194605 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Cells are connected in parallel in order to increase the

Options :

- ✓ current capacity
- ✗ life of the cells
- ✗ efficiency

4. ✘ voltage rating

Question Number : 6 Question Id : 115194606 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

For the protection of power system against travelling waves, we use

Options :

1. ✔ surge diverters
2. ✘ earthing screens
3. ✘ overhead ground wires
4. ✘ none

Question Number : 7 Question Id : 115194607 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The rate of rise of restriking voltage depends on

Options :

1. ✔ both inductance and capacitance of the system
2. ✘ the type of circuit breaker
3. ✘ the inductance of the system only
4. ✘ the capacitance of the system only

Question Number : 8 Question Id : 115194608 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The capacitance of a capacitor is _____relative permittivity.

Options :

1. ✔ directly proportional to
2. ✘ inversely proportional to
3. ✘ independent of
4. ✘ directly proportional to square of

Question Number : 9 Question Id : 115194609 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

A circuit component that opposes the change in circuit voltage is

Options :

1. ✔ capacitance
2. ✘ resistance
3. ✘ inductance
4. ✘ all

Question Number : 10 Question Id : 115194610 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The current through series RLC circuit under resonance condition will be

Options :

1. ✔ V/R
2. ✘ V/XC
3. ✘ V/XL

4. ✘ none

Question Number : 11 Question Id : 115194611 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The dynamic resistance of a parallel resonant circuit is given by

Options :

1. ✔ L/CR
2. ✘ LC/R
3. ✘ LCR
4. ✘ C/LR

Question Number : 12 Question Id : 115194612 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The rated voltage of a 3-phase power system is given as

Options :

1. ✔ rms line-to-line voltage
2. ✘ rms phase voltage
3. ✘ peak phase voltage
4. ✘ peak line-to-peak voltage

Question Number : 13 Question Id : 115194613 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

To improve the power factor in three phase circuits, the capacitor bank is connected in delta to make

Options :

1. ✔ capacitance very small
2. ✘ capacitance calculation easy
3. ✘ the connection elegant
4. ✘ the power factor correction more effective

Question Number : 14 Question Id : 115194614 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

If the reading of two wattmeters are equal and positive in two wattmeter method , the load power factor in a balanced 3-phase 3-wire circuit will be

Options :

1. ✔ unity
2. ✘ zero
3. ✘ 0.5
4. ✘ 0.866

Question Number : 15 Question Id : 115194615 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

In a 3-phase supply ,floating neutral is undesirable because it may result in_____across the load.

Options :

1. ✔ unequal line voltage
2. ✘ high voltage

3. ✘ low voltage

4. ✘ none

Question Number : 16 Question Id : 115194616 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

For which one of the following materials , is the Hall Coefficient zero?

Options :

1. ✔ Intrinsic semiconductor

2. ✘ Metal

3. ✘ Insulator

4. ✘ Alloy

Question Number : 17 Question Id : 115194617 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Conductivity of aluminium is_____time of that of copper.

Options :

1. ✔ 0.6

2. ✘ 1.63

3. ✘ 2.5

4. ✘ 0.4

Question Number : 18 Question Id : 115194618 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Liquid crystal material is used in

Options :

1. ✔ display devices and thermal sensors

2. ✘ ultrasonic amplification and display devices

3. ✘ thermal sensors and transducers

4. ✘ transducers and ultrasonic amplification

Question Number : 19 Question Id : 115194619 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The rating of fuse wire is always expressed in

Options :

1. ✔ amperes

2. ✘ volts

3. ✘ ampere-volts

4. ✘ ampere hours

Question Number : 20 Question Id : 115194620 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The thickness of insulation provided on the conductor depends upon

Options :

1. ✔ voltage rating

2. ✘ current rating

3. ✘ current rating and voltage rating
4. ✘ none

Question Number : 21 Question Id : 115194621 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which one of the following is not true for Sulphur Hexafluoride gas?

Options :

1. ✔ It is highly inflammable
2. ✘ It is electronegative in nature
3. ✘ It has high dielectric strength
4. ✘ It is non toxic

Question Number : 22 Question Id : 115194622 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

A fuse is

Options :

1. ✔ never inserted in neutral wire
2. ✘ normally inserted in phase wire
3. ✘ normally inserted in neutral wire
4. ✘ never inserted in phase wire

Question Number : 23 Question Id : 115194623 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Lamps in street lighting are all connected in

Options :

1. ✔ parallel
2. ✘ series
3. ✘ series-parallel
4. ✘ end-to-end

Question Number : 24 Question Id : 115194624 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Galvanised steel wire is usually used as

Options :

1. ✔ all
2. ✘ stay wire
3. ✘ structural components
4. ✘ earth wire

Question Number : 25 Question Id : 115194625 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

In hydropower station what is an enlarged body of water just above the intake and used as a regulating reservoir, called

Options :

1. ✔ Forebay

2. ✘ Spillways
3. ✘ Penstock
4. ✘ Reservoir

Question Number : 26 Question Id : 115194626 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The efficiency of a nuclear power plant is less than that of a conventional fuel fired thermal plant because of

Options :

1. ✔ low temperature and pressure conditions
2. ✘ higher temperature conditions
3. ✘ less rejection of heat in the condenser
4. ✘ higher pressure conditions

Question Number : 27 Question Id : 115194627 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

As the size of a thermal generating unit increases, the capital cost per kW of installed capacity

Options :

1. ✔ decreases
2. ✘ increases
3. ✘ remain the same
4. ✘ may increase or decrease

Question Number : 28 Question Id : 115194628 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The efficiency of solar cell is about

Options :

1. ✔ 0.15
2. ✘ 0.25
3. ✘ 0.4
4. ✘ 0.6

Question Number : 29 Question Id : 115194629 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The function of a surge tank is to

Options :

1. ✔ relieve water hammer pressure in the penstock pipe
2. ✘ supply water at constant pressure
3. ✘ produce surge in the pipeline
4. ✘ none

Question Number : 30 Question Id : 115194630 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

A power system needs injection of VARs at

Options :

1. ✔ both peak and off-peak load

2. ✘ off-peak load
3. ✘ full load
4. ✘ peak load

Question Number : 31 Question Id : 115194631 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The output of a solar cell is of the order of

Options :

1. ✔ 1.0 W
2. ✘ 0.5 W
3. ✘ 10.0 W
4. ✘ 5.0 W

Question Number : 32 Question Id : 115194632 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Water hammer occurs in

Options :

1. ✔ penstock
2. ✘ surge tank
3. ✘ turbine casing
4. ✘ draft tube

Question Number : 33 Question Id : 115194633 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

In thermal power plants, the pressure in the working fluid cycle is developed by

Options :

1. ✔ feed water pump
2. ✘ superheater
3. ✘ condenser
4. ✘ turbine

Question Number : 34 Question Id : 115194634 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The injection of VARs is required to

Options :

1. ✔ get a good voltage profile
2. ✘ compensate for line losses
3. ✘ increase the voltage at the receiving end
4. ✘ all

Question Number : 35 Question Id : 115194635 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

On which one of the following cycles does a modern steam power plant work?

Options :

1. ✔ Rankine cycle

- ✘ Otto Cycle
- ✘ Carnot cycle
- ✘ Bell-Coleman cycle

Question Number : 36 Question Id : 115194636 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Load shedding is done for

Options :

- ✔ reducing peak demand on the system
- ✘ repairing of machines
- ✘ power factor improvement
- ✘ efficient operation of equipment

Question Number : 37 Question Id : 115194637 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Control rods used in nuclear reactors are made of

Options :

- ✔ boron
- ✘ zirconium
- ✘ lead
- ✘ beryllium

Question Number : 38 Question Id : 115194638 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

In a load duration curve for an integrated power system, the uppermost crest represents the energy contributed by which one of the following?

Options :

- ✔ Non-conventional power stations
- ✘ Base power stations
- ✘ Major thermal stations
- ✘ Peaking hydro or gas turbine stations

Question Number : 39 Question Id : 115194639 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Demand factor is defined as the ratio of

Options :

- ✔ maximum demand to connected load
- ✘ connected load to maximum demand
- ✘ maximum demand to average load
- ✘ average load to maximum demand

Question Number : 40 Question Id : 115194640 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

In a superheater

Options :

1. ✓ temperature rises and pressure remains unchanged
2. ✗ temperature rises and pressure drops
3. ✗ pressure rises and temperature drops
4. ✗ pressure rises and temperature remains the same

Question Number : 41 Question Id : 115194641 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

A synchronous condenser is virtually a/an

Options :

1. ✓ over-excited synchronous motor
2. ✗ induction motor
3. ✗ under-excited synchronous motor
4. ✗ commutator motor

Question Number : 42 Question Id : 115194642 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The volume of copper required for an ac transmission line is inversely proportional to

Options :

1. ✓ voltage and power factor
2. ✗ current
3. ✗ voltage
4. ✗ power factor

Question Number : 43 Question Id : 115194643 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Effect of temperature rise in overhead lines is to

Options :

1. ✓ increase the sag and decrease the tension
2. ✗ decrease the sag and increase the tension
3. ✗ increase both
4. ✗ decrease both

Question Number : 44 Question Id : 115194644 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The voltages across the various discs of a string of suspension insulators having identical discs is different due to

Options :

1. ✓ shunt capacitance to ground
2. ✗ surface leakage currents
3. ✗ series capacitance
4. ✗ series and shunt capacitances

Question Number : 45 Question Id : 115194645 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The main function of economiser of a boiler plant is to

Options :

1. ✓ reduce fuel consumption
2. ✗ increases steam production
3. ✗ increase life of the boiler
4. ✗ increase steam pressure

Question Number : 46 Question Id : 115194646 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The effect of corona is

Options :

1. ✓ increased energy loss
2. ✗ increased reactance
3. ✗ increased inductance
4. ✗ all

Question Number : 47 Question Id : 115194647 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The inductance of a power transmission line increases with

Options :

1. ✓ increase in spacing between the phase conductors
2. ✗ increase in diameter of conductor
3. ✗ decrease in line length
4. ✗ increase in load current carried by the conductors

Question Number : 48 Question Id : 115194648 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

If the effect of earth is taken into account, then the capacitance of line to ground

Options :

1. ✓ increases
2. ✗ decreases
3. ✗ remains unaltered
4. ✗ becomes infinite

Question Number : 49 Question Id : 115194649 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Ferranti effect happens in transmission line when the line is

Options :

1. ✓ long and unloaded
2. ✗ long and loaded
3. ✗ short and loaded
4. ✗ none

Question Number : 50 Question Id : 115194650 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

For a lossy transmission line, the characteristic impedance does not depend on

Options :

1. ✓ length of the line
2. ✗ the operating frequency of the line
3. ✗ the conductivity of the conductors
4. ✗ conductivity of the dielectric separating the conductors

Question Number : 51 Question Id : 115194651 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Bundled conductors are employed to improve

Options :

1. ✓ corona performance of the line
2. ✗ mechanically stability of the line
3. ✗ appearance of the transmission line
4. ✗ current carrying capacity of the line

Question Number : 52 Question Id : 115194652 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Back to back HVDC is used to

Options :

1. ✓ provide stable interconnection
2. ✗ increase the transmission capability
3. ✗ decrease line losses
4. ✗ reduce voltage drop

Question Number : 53 Question Id : 115194653 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The most accurate and versatile method of achieving reactive power compensation is by using

Options :

1. ✓ switched capacitor with controlled reactors
2. ✗ fixed capacitor with controlled reactor
3. ✗ switched capacitors
4. ✗ saturable reactor with capacitor bank

Question Number : 54 Question Id : 115194654 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

If the separation between the three phases of a transmission line is increased then

Options :

1. ✓ the inductance will increase and the capacitance will decrease
2. ✗ the inductance will increase and capacitance will remain unchanged
3. ✗ both the inductance and capacitance will increase
4. ✗ the inductance will decrease and the capacitance will increase

Question Number : 55 Question Id : 115194655 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Feeder is designed mainly from the point of view of

Options :

1. ✓ its current carrying capacity
2. ✗ voltage drop in it
3. ✗ operating voltage
4. ✗ operating frequency

Question Number : 56 Question Id : 115194656 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

By increasing the transmission voltage to double of its original value the same power can be dispatched keeping the line loss

Options :

1. ✓ one fourth of original value
2. ✗ equal to original value
3. ✗ half the original value
4. ✗ double the original value

Question Number : 57 Question Id : 115194657 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

What is SCADA?

Options :

1. ✓ process
2. ✗ system
3. ✗ software
4. ✗ hardware

Question Number : 58 Question Id : 115194658 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

In a transmission system, the weight of copper used is proportional to

Options :

1. ✓ $1/E^2$
2. ✗ E^2
3. ✗ E
4. ✗ $1/E$

Question Number : 59 Question Id : 115194659 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

In a 3-phase, 4-wire cable the cross sectional area of neutral conductor is

Options :

1. ✓ equal to the area of phase conductor
2. ✗ half of the area of phase conductor
3. ✗ double the area of phase conductor
4. ✗ 1.5 times the area of phase conductor

Question Number : 60 Question Id : 115194660 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The power factor of an open ended cable can be improved by

Options :

1. ✓ increasing the insulation resistance
2. ✗ increasing the capacitance
3. ✗ decreasing the capacitance
4. ✗ increasing the conductor resistance

Question Number : 61 Question Id : 115194661 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The lead sheath of the cable may get damaged due to

Options :

1. ✓ any one
2. ✗ mechanically injury
3. ✗ crystallisation of lead through vibrations
4. ✗ chemical action with impurities present in the soil when buried in earth

Question Number : 62 Question Id : 115194662 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

SCADA is

Options :

1. ✓ all
2. ✗ real time data acquisition and processing
3. ✗ data storing
4. ✗ data monitoring and control

Question Number : 63 Question Id : 115194663 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Fibre-optic cables are used in power system applications mainly for

Options :

1. ✓ all
2. ✗ SCADA
3. ✗ communication between power station and substation
4. ✗ communication between power station and load control centre

Question Number : 64 Question Id : 115194664 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The most common type of fault is

Options :

1. ✓ single phase to ground
2. ✗ phase-to-phase
3. ✗ three phase to ground
4. ✗ two phase to ground

Question Number : 65 Question Id : 115194665 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The stability of arc in vacuum depends on

Options :

1. ✓ the contact material with its vapour pressure and the circuit parameters
2. ✗ the contact material only
3. ✗ the contact material and its vapour pressure
4. ✗ the circuit parameters only

Question Number : 66 Question Id : 115194666 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

In air blast circuit breaker resistance switching is used to

Options :

1. ✓ damp out the fast transient
2. ✗ reduce the magnitude of fault current
3. ✗ control the CB operating time
4. ✗ change the fault current power factor

Question Number : 67 Question Id : 115194667 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The booster is inserted in the circuit to

Options :

1. ✓ compensate for voltage drop
2. ✗ increase current
3. ✗ reduce current
4. ✗ reduce voltage drop

Question Number : 68 Question Id : 115194668 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Circuit breakers usually operate under

Options :

1. ✓ sub-transient state of short circuit current
2. ✗ steady short circuit current
3. ✗ transient state of short circuit current
4. ✗ none

Question Number : 69 Question Id : 115194669 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Current rating is not necessary in case of

Options :

1. ✓ isolators
2. ✗ circuit breakers
3. ✗ load break switches
4. ✗ circuit breakers and load break switches

Question Number : 70 Question Id : 115194670 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Steady state stability of a power system is improved by

Options :

1. ✓ using double circuit line instead of single circuit line
2. ✗ reducing fault clearing time
3. ✗ single pole switching
4. ✗ decreasing generator inertia

Question Number : 71 Question Id : 115194671 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The draught which a chimney produces is called

Options :

1. ✓ natural draught
2. ✗ induced draught
3. ✗ forced draught
4. ✗ balanced draught

Question Number : 72 Question Id : 115194672 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Diversity factor is always

Options :

1. ✓ more than unity
2. ✗ equal to unity
3. ✗ less than unity
4. ✗ more than twenty

Question Number : 73 Question Id : 115194673 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

For an overhead line, the surge impedance is taken as

Options :

1. ✓ 100 - 200 ohms
2. ✗ 20 - 40 ohms
3. ✗ 70 - 80 ohms
4. ✗ 500 - 1000 ohms

Question Number : 74 Question Id : 115194674 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which of the following relays is used on long transmission lines?

Options :

1. ✓ Mho's relay
2. ✗ Impedance relay
3. ✗ Reactance relay
4. ✗ none

Question Number : 75 Question Id : 115194675 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Power system stability is least affected by

Options :

1. ✓ losses
2. ✗ input torque
3. ✗ reactance of generator
4. ✗ reactance of transmission line

Question Number : 76 Question Id : 115194676 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The charging current in the cables

Options :

1. ✓ leads the voltage by 90°
2. ✗ leads the voltage by 180°
3. ✗ lags the voltage by 90°
4. ✗ lags the voltage by 180°

Question Number : 77 Question Id : 115194677 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Burden of a protective relay is the power

Options :

1. ✓ absorbed by the circuit of relay
2. ✗ required to operate the circuit breaker
3. ✗ developed by the relay circuit
4. ✗ none

Question Number : 78 Question Id : 115194678 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Arc in a circuit breaker is interrupted at

Options :

1. ✓ zero current
2. ✗ maximum current
3. ✗ minimum voltage
4. ✗ maximum voltage

Question Number : 79 Question Id : 115194679 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The minimum dielectric stress in a cable is at

Options :

1. ✓ lead sheath
2. ✗ armour
3. ✗ bedding
4. ✗ conductor surface

Question Number : 80 Question Id : 115194680 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

If the length of a cable is doubled, its capacitance

Options :

1. ✓ becomes double
2. ✗ becomes one -fourth
3. ✗ becomes one half
4. ✗ remains unchanged

Question Number : 81 Question Id : 115194681 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who called Subhashchandra Bose as Desh Nayak?

Options :

1. ✓ Rabindranath Tagore
2. ✗ Lala Lajpat Rai
3. ✗ Mahatma Gandhi
4. ✗ Bal Gangadhar Tilak

Question Number : 82 Question Id : 115194682 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which Article of the Constitution provides freedom to manage religious affairs?

Options :

1. ✓ Article 26
2. ✗ Article 25
3. ✗ Article 27
4. ✗ Article 28

Question Number : 83 Question Id : 115194683 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The Mid Day Meal Scheme was launched on

Options :

1. ✓ August 15,1995
2. ✗ August 15,2000
3. ✗ August 15,1992
4. ✗ August 15,2001

Question Number : 84 Question Id : 115194684 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

What is the India's rank in the 2017 Global Peace Index as per global think tank Institute for Economics and peace(IEP)?

Options :

1. ✓ 137 th
2. ✗ 141 st
3. ✗ 133 rd
4. ✗ 155 th

Question Number : 85 Question Id : 115194685 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The World Milk Day (WMD) is observed on which date?

Options :

1. ✓ 1 st June
2. ✗ 3 rd June
3. ✗ 4 th June
4. ✗ 5 th June

Question Number : 86 Question Id : 115194686 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who wrote the famous book -"We the people"?

Options :

1. ✓ Nani Palkhivala
2. ✗ T.N.Kaul
3. ✗ J.R.D.Tata
4. ✗ Khushwant Singh

Question Number : 87 Question Id : 115194687 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who was known as Iron man of India?

Options :

1. ✓ Sardar Vallabhbhai Patel
2. ✗ Govind Ballabh Pant
3. ✗ Jawaharlal Nehru
4. ✗ Subhash Chandra Bose

Question Number : 88 Question Id : 115194688 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who is the first Asian Winner of Nobel Prize?

Options :

1. ✓ Rabindranath Tagore
2. ✗ C.V.Raman
3. ✗ Dalai Lama
4. ✗ Mother Teresa

Question Number : 89 Question Id : 115194689 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who is the CJI(Chief Justice of India)?

Options :

1. ✓ Jagdish Singh Khehar
2. ✗ T.S.Thakur
3. ✗ H.L.Dattu
4. ✗ Altamas Kabir

Question Number : 90 Question Id : 115194690 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who is the Revenue Minister of Gujarat State?

Options :

1. ✓ Bhupendrasinh Chudasma
2. ✗ Vijaybhai Rupani
3. ✗ Nitinbhai Patel
4. ✗ Ganpatbhai Vasava

Question Number : 91 Question Id : 115194691 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Person who does not believe in the existence of God:

Options :

1. ✓ Atheist
2. ✗ Theist
3. ✗ Heretic
4. ✗ Fanatic

Question Number : 92 Question Id : 115194692 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Give Antonym: Underhand

Options :

1. ✓ Exposed
2. ✗ Hidden
3. ✗ Surreptitious
4. ✗ Obscure

Question Number : 93 Question Id : 115194693 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Give Synonym: Cease

Options :

1. ✓ Stop
2. ✗ Begin
3. ✗ Create
4. ✗ Dull

Question Number : 94 Question Id : 115194694 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Possessive pronoun in sentence "Unless they do all of their homework, they won't allow to play" is

Options :

1. ✓ their
2. ✗ they
3. ✗ won't
4. ✗ Unless

Question Number : 95 Question Id : 115194695 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

After him in my life I _____ see things differently now

Options :

1. ✓ can
2. ✗ begin
3. ✗ been
4. ✗ being

Question Number : 96 Question Id : 115194696 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

I ___ tennis every Sunday morning.

Options :

1. ✓ play
2. ✗ playing
3. ✗ am playing
4. ✗ am play

Question Number : 97 Question Id : 115194697 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Sorry, She can't come to the phone. She _____ a bath.

Options :

1. ✓ is having
2. ✗ having
3. ✗ have
4. ✗ has

Question Number : 98 Question Id : 115194698 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

What time _____.

Options :

1. ✓ does the train leave?
2. ✗ the train leaves?
3. ✗ leaves the train?
4. ✗ is the train leaving?

Question Number : 99 Question Id : 115194699 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

There are _____ views on the issue of giving bonus to the employees.

Options :

1. ✓ divergent
2. ✗ independent
3. ✗ modest
4. ✗ adverse

Question Number : 100 Question Id : 115194700 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Give Synonym: Cancel

Options :

1. ✓ Abolish
2. ✗ Approve
3. ✗ Allow
4. ✗ Break