G015+G046 Online Test

Ref190

A single core 66KV cable has a conductor of 2 cm & sheathed inside diameter 5.3 cm. Find the maximum stress if two inter-sheaths are used. Find the best position E 1 and E2

A	E1= 23.9 KV, E2= 41.1KV	B	E1= 10 KV, E2= 20KV
C	E1= 5 KV, E2= 10KV	D	E1= 40 KV, E2= 60KV
	Answer		

Ref195

Which insulator is utilized for guy wire?

A	Stay insulator	B	Pin insulator
C	Suspension insulator	D	Dic insulator
	Answer		

Ref200

Which quantity is not monitored by relay?

A	Voltage & current	B	Frequency
C	Power flow direction	D	Conductor sag
	Answer		

Ref205

Balanced beam relay operates when

A	Operating mechanism is greater than restraining mechanism	B	Restraining mechanism is operating greater than mechanism
C	Operating mechanism is equal to restraining mechanism	D	Operating mechanism & restraining mechanism become zero
	Answer		

Ref210

If the main winding of power transformer is connected in star at primary side, the current transformer should be

A	Connected in delta	B	Connected in star
C	Connected in zigzag	D	Connected in parallel
	Answer		

Ref224

For given CT , % composite error, secondary voltage and rated accuracy are 10P 150 F15

A	10%, 150V, 15	B	150%, 10V, 15
C	15%, 15V, 10	D	
	Answer		

Ref229

Which quantity should be utilized for operating coil

A	Voltage	B	Current
C	Power	D	Power factor
	Answer		

Ref243

Static VAR compensation system is utilized to

A	Control power	B	Control current
C	Control power factor	D	Provide protection
	Answer		

Ref248

Can IP based system be utilized in active & reactive power flow in power system?

A	Not applicable	B	No
C	Yes	D	
	Answer		

Ref253

Corona forms when the voltage of a conductor _____ disruptive critical voltage.

A	Is lower than	B	passes
C	equal to	D	
	Answer		

Ref 211.

Maximum reach and maximum reach angle are found in

A	Over current relay	B	Differential relay
C	Directional relay	D	Distance relay
	Answer		

Ref212

The operation of distance relay is based on

A	Based on impedance	B	Based on current
C	Based on frequency	D	Based on power
	Answer		

Ref213

The characteristics curve of distance relay is

A	Concentric circles	B	Parabola
C	Straight line	D	Hyperbola
	Answer		

Ref214.

Zone protection of distance relay is based on

A	Zoning in accordance with voltage	B	Zoning in accordance with current
C	Zoning in accordance with power	D	Zoning in accordance with impedance
	Answer		

Ref215.

 Operating & restraining voltage and current are utilized in

A	Over current relay	B	Differential relay
C	Directional relay	D	Thermal over load relay
	Answer		

Ref216

Power line can be effectively protected by

A	Over current relay	B	Differential relay
C	Directional relay	D	Distance relay
	Answer		

Ref217

Explain the operation of distance relay is based on .

A	Based on impedance	B	Based on current
C	Based on frequency	D	Based on power
	Answer		

Ref218.

The shape of characteristics of over current relay is

A	Straight line	B	Circle
C	Curve	D	Pulse
	Answer		

Ref219.

Directional relay is also called

A	Distance relay	B	Reverse power relay
C	Differential relay	D	Over current relay
	Answer		

Ref220

Earthing transformer is utilized at

A	Star connected winding side	B	Delta connected winding side
C	Zigzag connected winding side	D	None of above
	Answer		

Ref231

The suitable winding method for earthing transformer is

A	Star/ Delta	B	Delta/Star
C	Delta/Delta	D	Zig Zag
	Answer		

Ref232

Reactors are utilized at busbar to

A	Provide inductance	B	Limit short circuit current
C	Increase disruptive critical voltage	D	Earth leakage current flow path
	Answer		

Ref233

The best way to increase the level of disruptive critical voltage to reduce the possibility of corona is

A	To increase conductor diameter	B	To use longer cross arm
C	To use hollow conductor that increase the conductor diameter	D	To increase insulation resistance
	Answer		

Ref234

Switching voltage velocity is

A	$V = 1/\sqrt{LC}$	B	$V = \sqrt{LC}$
C	$V = L/C$	D	$V = 1/LC$
	Answer		

Ref235

Which equipment is used in static VAR compensation system?

A	Magnetic contactor	B	Thermal switch
C	Hall effect switch	D	Silicon Controlled Rectifier
	Answer		

Ref236

Poor power will cause

A	Unnecessary over current flow in line	B	Smoother voltage
C	Ripple reduction	D	Wrong phase sequence
	Answer		

Ref237

Lighting strike near power transformer is protected by

A	Arcing horn	B	Lightning arrester
C	Surge absorber	D	Arcing ring
Answer			

Ref238

Lightning protection for power line is provided by

A	Arcing horn	B	Lightning arrester
C	Surge absorber	D	Arcing ring
Answer			

Ref239

Power surge protection is provided by

A	Arcing horn	B	Lightning arrester
C	Surge absorber	D	Arcing ring
Answer			

Ref189

Determine the maximum deviation allowed on 11KN pin insulator for a 7/3.50 hard drawn copper conductor with a span of 150 m .The ultimate strength of he conductor is 26600N. The wind load is to be taken as 500Pa and the diameter of conductor is 10.5mm. Tension in conductor must not be more than 50% of ultimate strength. Transverse loading on pin insulator is not to exceed 40% of ultimate strength.

A	5 deg	B	30 deg
C	20 deg	D	15.6 deg
Answer			

Ref192

In above problem, if the cable is subject to 66 KV, three phase line, find the dielectric loss.

A	3 watt	B	1.316 watt
C	7 watt	D	10 watt
	Answer		

Ref193

A 415V , 200 KVA, 50HZ , three phase load , power factor is improved from 0.75 to 0.9 lagging. Calculate the size of capacitor for delta connected capacitor bank.

A	100µF	B	200µF
C	300µF	D	150µF
	Answer		

Ref194

Which system is least reliable?

A	Radial feeder	B	Parallel feeder
C	Ring feeder	D	
	Answer		

Ref226

For 2000/1000/500/1   current transformer   10 Ps 250 is classified as

A	2.5 Ps 1000	B	5 Ps 500
C	2.5Ps 500	D	10 Ps 250
	Answer		