

G037+G038+G039 Online Test

Ref259

Which one can most adversely damage the insulation in short time?

A	Chemical	B	Harmonic
C	Lightning strike/ travelling surge voltage	D	Under frequency
Answer			

Ref264

Poor power factor can cause

A	Downgrade line efficiency	B	Poor voltage regulation
C	Increased system losses	D	All above
Answer			

Ref289

Transformer cooling , air breaking , polarity testing and interrupt control circuits are included

A	Auxiliary system	B	Main system
C	Back up system	D	Emergency stop system
Answer			

Ref294

In given equation ,

$$E_t \times E_f$$

$$P = \frac{E_t \times E_f}{X_s} \sin \delta$$

Xs

A	PF Angle	B	Coupling angle
C	Load angle	D	Line deviation angle
Answer			

Ref299

Reliability of the system can be achieved when

A	Voltage must be constant	B	Frequency must be constant
C	Phase sequence must be constant	D	All above
Answer			

Ref304

Lightning strike causes

A	Electrical interference	B	Voltage surge
C	System insulation deterioration	D	All above
Answer			

Ref309

To reduce the harmonic interference

A	Use of twisted pair wire	B	Provide shielding
C	Grounding for control circuit in distribution system	D	All above
Answer			

Ref314

Spark gap and surge suppressor are installed.

A	Before the power entry to building	B	At the terminal of equipments
C	Across the distribution switch	D	All above
Answer			

Ref319

The measurement, analysis and improvement of the bus voltage to maintain a sinusoidal waveform at rated voltage and frequency is

A	Voltage regulation	B	System reliability
C	Power quality	D	Power stability
Answer			

Ref324

The formula is to calculate

$$I_1 + I_2 + I_3 + \dots$$

$$I = \dots$$

$$N - 1$$

A	I rms	B	I avg
C	I max	D	
Answer			

Ref329

$I_{abc}(h) = Y(h) \times |V_{abc}(h)| + I_f(h)$ is the model to calculate

A	Harmonic currents in a, b, c lines	B	Steady state currents in a, b, c lines
C	Instantaneous currents in a, b, c lines	D	Average currents in a, b, c lines
Answer			

Ref334

A 30 MVA , 15 KV , 60HZ AC generator has a synchronous reactance of 1.2 pu and AC resistance of 0.02 pu. Calculate the total full load copper losses.

A	30KW	B	60KW
C	120KW	D	600KW
Answer			

Ref328

Passive- Passive , Active- Active and Passive-Active filters are classifications of

A	Passive filter	B	Active filter
C	Hybrid filter	D	Power factor
Answer			