

Unit 3 - Field Experience and contamination issues on Transmission Insulators

Course outline

How does an NPTEL online course work?

Introduction and Design of Transmission/Distribution Insulators

Field Experience and contamination issues on Transmission Insulators

Field experience of Ceramic/ Glass and Polymeric Insulators

Comparison of Transmission Insulators

Environmental issues with transmission Insulators

Quiz : Week 2 Quiz

Reliability and Testing on Transmission Insulators

Cleaning and Coating methods, Introduction to hybrid Insulators

Text Transcripts

Weekly Feedback forms

Video download

Week 2 Quiz

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-02-12, 23:59 IST.

1) The alumina content in case of DC ceramic insulators is typically about _____ %

1 point

- 10
 40
 80
 None

No, the answer is incorrect.
Score: 0

Accepted Answers:
40

2) During dewatering process about _____% of moisture is removed from slurry

1 point

- 5
 18
 10
 40

No, the answer is incorrect.
Score: 0

Accepted Answers:
18

3) Plaster of paris moulds are used for ceramic disc manufacture as this

1 point

- absorb moisture
 aid in drying
 both 1 and 2
 provide proper shape

No, the answer is incorrect.
Score: 0

Accepted Answers:
both 1 and 2

4) Thermal expansion of glaze is _____ than Ceramic

1 point

- Lower
 Higher
 Equal
 None

No, the answer is incorrect.
Score: 0

Accepted Answers:
Lower

5) The outer surface of glass disc insulator is under _____ compared to inside

1 point

- lower tension
 lower compression
 higher tension
 higher compression

No, the answer is incorrect.
Score: 0

Accepted Answers:
higher tension

6) Non Ceramic Insulators are good in tension performance

1 point

- TRUE
 FALSE

No, the answer is incorrect.
Score: 0

Accepted Answers:
TRUE

7) Generally _____ fillers are used in the manufacture of polymer insulators

1 point

- peroxides
 tin
 siloxane
 silica

No, the answer is incorrect.
Score: 0

Accepted Answers:
silica

8) Surface Failure of glass insulators is attributed to

1 point

- vandalism
 microcracks
 dragging
 none

No, the answer is incorrect.
Score: 0

Accepted Answers:
microcracks

9) Occurrence of Brittle fracture in the middle of fiber glass rod is quite common

1 point

- TRUE
 FALSE

No, the answer is incorrect.
Score: 0

Accepted Answers:
FALSE

10) Hairline cracks or internal damages in porcelain discs is quite easy to detect

1 point

- TRUE
 FALSE

No, the answer is incorrect.
Score: 0

Accepted Answers:
FALSE