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**11) In large impulse generators, the spark gaps are generally**

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- a. Sphere gaps
- b. Hemispherical gaps
- c. Square gaps
- d. Either (a) or (b)

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: Either (a) or (b)**

**Explanation:**

No explanation is available for this question!

**12) For producing large values of impulse currents, a number of capacitors are charged in**

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- a. Parallel and discharged in series
- b. Parallel and discharged in parallel
- c. Series and discharged in series
- d. Series and discharged in parallel

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: Parallel and discharged in parallel**

**Explanation:**

No explanation is available for this question!

**13) In a multistage impulse generator, for producing very high voltages, a bank of capacitors is**

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- a. Charged in parallel and then discharged in series
- b. Charged in series and then discharged in parallel
- c. Charged in parallel and then discharged in parallel only
- d. Charged in series and then discharged in series only

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: Charged in parallel and then discharged in series**

**Explanation:**

No explanation is available for this question!

**14) In a series RLC circuit, the wave front and wave tail times are controlled by changing the value**

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- a. R only
- b. R and L simultaneously
- c. R and C simultaneously
- d. L and C simultaneously

[Answer](#) [Explanation](#) [Related Ques](#)

**15) The disadvantages of resonant transformers is**

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- a. Pure sine wave output
- b. No high power arcing
- c. No repeated flashovers
- d. Additional variable chokes

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: Additional variable chokes**

**Explanation:**

No explanation is available for this question!

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**16) The commonly used materials for HV insulation is**

- Published on 21 Dec 15

- a. Paper-oil insulation
- b. Polyester resin
- c. Ceramic
- d. PVC

[Answer](#) [Explanation](#) [Related Ques](#)

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**17) Resins and varnishes are commonly used in**

- Published on 21 Dec 15

- a. Generators and motors
- b. Cables
- c. Transformers
- d. Circuit breakers

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: Generators and motors**

**Explanation:**

No explanation is available for this question!

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**18) The resin bonded paper bushings are designed to operate at a maximum radial stress of**

- Published on 21 Dec 15

- a. 5 kV/cm
- b. 10 kV/cm
- c. 15 kV/cm
- d. 20 kV/cm

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: 20 kV/cm**

**Explanation:**

No explanation is available for this question!

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**19) In paper based laminated construction, the typical value of dielectric constant and dielectric loss factor is**

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- a. 3.5, 0.0015
- b. 2.5, 0.0020
- c. 3.5, 0.0025
- d. 2.5, 0.0035

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: 3.5, 0.0025**

**Explanation:**

No explanation is available for this question!

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**20) The most commonly used insulating materials for low and medium voltage cables is**

- Published on 21 Dec 15

- a. Polyethylene

- b. Porcelain
- c. PVC
- d. Vulcanized rubber

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: PVC**

**21) The example of artificial fibre is**

**- Published on 21 Dec 15**

- a. Rayon
- b. Cotton
- c. Flax
- d. Silk

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: Rayon**

**Explanation:**

No explanation is available for this question!

**22) Which among the following is not an example of impregnants?**

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- a. Mineral oil
- b. Chlorinated diphenyl
- c. Vegetable oils
- d. None of these

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: None of these**

**Explanation:**

No explanation is available for this question!

**23) For very small cavities, discharge inception voltage**

**- Published on 21 Dec 15**

- a. Decreases as the cavity depth increases
- b. Increases as the cavity depth increases
- c. Remains unaffected as the cavity depth increases
- d. None of these

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: Decreases as the cavity depth increases**

**Explanation:**

No explanation is available for this question!

24) The liquid dielectrics contain voids or cavities within the medium or at the boundaries between the dielectric and the electrodes. The electric field strength in the voids is

- Published on 21 Dec 15

- a. Lower than that across the dielectric
- b. Higher than that across the dielectric
- c. Equal to that across the dielectric
- d. None of these

[Answer](#) [Explanation](#) [Related Ques](#)

ANSWER: Higher than that across the dielectric

Explanation:

No explanation is available for this question!

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25) Treeing phenomenon is observed in

- Published on 21 Dec 15

- a. Capacitors
- b. Cables
- c. Insulators
- d. Only (a) and (b)

[Answer](#) [Explanation](#) [Related Ques](#)

ANSWER: Only (a) and (b)

Explanation:

No explanation is available for this question!

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26) According to the Stressed Oil Volume theory, the breakdown strength is

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- a. Directly proportional to the stressed oil volume
- b. Directly proportional to the square of the stressed oil volume
- c. Inversely proportional to the stressed oil volume
- d. None of these

[Answer](#) [Explanation](#) [Related Ques](#)

ANSWER: Inversely proportional to the stressed oil volume

Explanation:

No explanation is available for this question!

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27) According to the Bubble theory, once a bubble is formed, it will elongate in the direction of electric field under the influence of electrostatic forces. During elongation the volume of bubbles

- Published on 21 Dec 15

- a. Increases
- b. Decreases
- c. Remains constant
- d. None of these

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER:** Remains constant

**Explanation:**

No explanation is available for this question!

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**28) In case of solid particles present in the liquid and in case of presence of only gas bubbles in liquids, the direction of force is towards**

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- a. Areas of maximum stress, areas of minimum stress
- b. Areas of maximum stress, areas of maximum stress
- c. Areas of minimum stress, areas of maximum stress
- d. Areas of minimum stress, areas of minimum stress

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER:** Areas of maximum stress, areas of minimum stress

**Explanation:**

No explanation is available for this question!

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**29) The increase in liquid hydrostatic pressure**

- Published on 21 Dec 15

- a. Increases the breakdown strength
- b. Decreases the breakdown strength
- c. Does not affect the breakdown strength
- d. None of these

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER:** Increases the breakdown strength

**Explanation:**

No explanation is available for this question!

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**30) In Breakdown tests, the tests voltages required for these tests are usually of the order of**

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- a. 0 – 10 kV
- b. 20 – 50 kV

c. 50 – 100 kV

d. 100 – 200 kV

[Answer](#) [Explanation](#) [Related Ques](#)

**ANSWER: 50 – 100 kV**