

Prepare

Practice

Answer Explanation Related Ques

ANSWER: Iceland

Explanation:

No explanation is available for this question!

60) In the given options, the non-commercial source of energy is

- Published on 06 Oct 15
- a. Coal
- **b.** Lignite
- c. Firewood
- d. Refined petroleum products

Answer Explanation Related Ques

ANSWER: Refined petroleum products

Explanation:

No explanation is available for this question!

1 2 3 4 5 6

Topics



Basic Electrical Engineering (170)

Electric Power Utilization (101)



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Practice

No explanation is available for this question!

59) Which country has highest energy usage per capita?

- Published on 06 Oct 15
- a. Iceland
- **b.** Qatar
- c. Kuwait
- d. United Arab emirates

Answer

Explanation

Related Ques

ANSWER: Iceland

Explanation:

No explanation is available for this question!

60) In the given options, the non-commercial source of energy is

Published on 06 Oct 15



a. Coal

b. Lignite



























Practice

Answer Explanation Related Ques

ANSWER: Coal

Explanation:

No explanation is available for this question!

58) Which country has the biggest coal reserves?

- Published on 06 Oct 15
- a. Russia
- b. US
- c. China
- d. India

<u>Answer</u>

Explanation

Related Ques

ANSWER: US

Explanation:

No explanation is available for this question!

59) Which country has highest energy usage per capita?



- a. Iceland
- **b.** Qatar
- c. Kuwait



Prepare

Practice

- C. LYG
- **d.** All of these
- e. None of these

Answer

Explanation

Related Ques

ANSWER: None of these

Explanation:

No explanation is available for this question!

54) Energy management is a key component of

- Published on 06 Oct 15
- a. Environmental management
- **b.** Carbon management
- c. Nitrogen management
- d. Water management

<u>Answer</u>

Explanation

Related Ques

ANSWER: Carbon management

Explanation:

No explanation is available for this question!

55) The main objective of energy management is

- Published on 06 Oct 15
- a. Minimize energy cost





Practice

ANSWER: Carbon management

Explanation:

No explanation is available for this question!

55) The main objective of energy management is to

- Published on 06 Oct 15
- Minimize energy cost
- b. Minimum environmental effects
- c. Maintain optimum energy procurement and utilization
- d. Only A and B
- e. All of these

Answer

Explanation

Related Ques

ANSWER: All of these

Explanation:

No explanation is available for this question!

56) LNG stands for



- a. Liquefied natural gas
- b. Liquid natural gas
- c. Low nitrogen content gas



Prepare

Practice

- d. Only A and B
- e. All of these

Answer

Explanation

Related Ques

ANSWER: All of these

Explanation:

No explanation is available for this question!

56) LNG stands for

- Published on 06 Oct 15
- a. Liquefied natural gas
- **b.** Liquid natural gas
- c. Low nitrogen content gas
- **d.** Liquid nitrogen gas

<u>Answer</u> Explanation

Related Ques

ANSWER: Liquefied natural gas

Explanation:

No explanation is available for this question!

57) Which is the major energy source to meet the Indian energy demand?

- Published on 06 Oct 15
- a. Coal
- **b.** Oil



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Explanation:

No explanation is available for this question!

57) Which is the major energy source to meet the Indian energy demand?

- Published on 06 Oct 15
- a. Coal
- **b.** Oil
- **c.** Natural gas
- d. Lignite

<u>Answer</u>

Explanation

Related Ques

ANSWER: Coal

Explanation:

No explanation is available for this question!

58) Which country has the biggest coal reserves?



- Published on 06 Oct 15

a. Russia





















Prepare

Practice

Answer

Explanation

Related Ques

ANSWER: kVA

Explanation:

No explanation is available for this question!

53) Which among the following fuel is not available for thermal energy supply?

- Published on 06 Oct 15
- a. LSHS
- b. LDO
- c. LPG
- d. All of these
- e. None of these

<u>Answer</u>

Explanation

Related Ques

ANSWER: None of these

Explanation:

No explanation is available for this question!

54) Energy management is a key component of

- Published on 06 Oct 15
- a. Environmental management
- b. Carbon management





Practice

- Indian Facility ivianagement Association
- c. International Facility Management Academy
- d. Indian Facility Management Academy

Answer

Explanation

Related Ques

ANSWER: International Facility Management

Association

Explanation:

No explanation is available for this question!

52) Maximum demand charges are given in

- Published on 06 Oct 15

- a. kWh
- b. kVA
- c. kVAr
- d. All of these
- e. None of these

Answer

Explanation

Related Ques

ANSWER: kVA

Explanation:

No explanation is available for this question!



53) Which among the following fuel is not available for thermal energy supply?



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Practice



Search

51) IFMA stands for

- Published on 06 Oct 15
- a. International Facility Management Association
- b. Indian Facility Management Association
- c. International Facility Management Academy
- **d.** Indian Facility Management Academy

<u>Answer</u>

Explanation

Related Ques

ANSWER: International Facility Management Association

Explanation:

No explanation is available for this question!

52) Maximum demand charges are given in



- a. kWh
- b. kVA
- c. kVAr























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Practice

ANSWER: All of these

Explanation:

No explanation is available for this question!

50) The term Demand Side Management was coined during

- Published on 06 Oct 15
- a. 1936 energy crisis
- b. 1972 energy crisis
- c. 1973 energy crisis
- d. 1986 energy crisis

Answer Ex

Explanation

Related Ques

ANSWER: 1973 energy crisis

Explanation:

No explanation is available for this question!

1 2 3 4 5 6

Topics



- Basic Electrical Engineering (170)
- Electric Power Utilization (101)
- Power Flectronics (194)





Practice

ANSWER: 3 phase, 4 wire

Explanation:

No explanation is available for this question!

46) The reduction of utility load primarily during peak demand is known as

- Published on 06 Oct 15
- a. Peak clipping
- **b.** Load shifting
- c. Valley filling
- d. MTP analysis

Answer

Explanation

Related Ques

ANSWER: Peak clipping

Explanation:

No explanation is available for this question!

47) The demand side management can be achieved by the technique of



- a. Time of day pricing and metering
- b. Multi utility power exchange model
- c. Load management
- d All of these



Prepare

Practice

- **D.** Load Siliting
- c. Valley filling
- d. MTP analysis

Answer

Explanation

Related Ques

ANSWER: Peak clipping

Explanation:

No explanation is available for this question!

47) The demand side management can be achieved by the technique of

- Published on 06 Oct 15
- a. Time of day pricing and metering
- b. Multi utility power exchange model
- c. Load management
- d. All of these
- e. None of these

Answer

Explanation

Related Ques

ANSWER: All of these

Explanation:

No explanation is available for this question!



48) EPRI stands for





Practice

e. None of these

Answer

Explanation

Related Ques

ANSWER: All of these

Explanation:

No explanation is available for this question!

48) EPRI stands for

- Published on 06 Oct 15
- a. European power research institute
- b. Electrical power Russian institute
- c. Electrical power research institute
- d. Electrical power research industries

<u>Answer</u>

Explanation

Related Ques

ANSWER: Electrical power research institute

Explanation:

No explanation is available for this question!

49) Demand Side Management is required to



- a. Reduce overall cost of installed capacity
- b. Reduce needs for peaking stations
- **c.** Ensure quality and equity of supply
- d Only R and C





Practice

ANSWER: Electrical power research institute

Explanation:

No explanation is available for this question!

49) Demand Side Management is required to

- Published on 06 Oct 15
- a. Reduce overall cost of installed capacity
- Reduce needs for peaking stations
- c. Ensure quality and equity of supply
- d. Only B and C
- e. All of these

Answer

Explanation

ANSWER: All of these

Explanation:

No explanation is available for this question!

50) The term Demand Side Management was coined during



- a. 1936 energy crisis
- b. 1972 energy crisis
- c. 1973 energy crisis
- d. 1986 energy crisis





Practice

45) The electric power from primary distribution line is delivered to distribution substations by using

- Published on 06 Oct 15
- a. 1 phase wire
- b. 3 phase, 3 wire
- c. 3 phase, 4 wire
- d. All of these
- e. None of these

Answer

Explanation

Related Ques

ANSWER: 3 phase, 4 wire

Explanation:

No explanation is available for this question!

46) The reduction of utility load primarily during peak demand is known as

- Published on 06 Oct 15
- a. Peak clipping
- b. Load shifting
- c. Valley filling
- d. MTP analysis

Answer

Explanation

Related Ques







Practice

44) For a typical AC power supply, the secondary transmission carries the voltage of

- Published on 06 Oct 15
- a. 11kV
- **b.** 33 kV
- c. 66 kV
- d. 132 kV

<u>Answer</u>

Explanation

Related Ques

ANSWER: 33 kV

Explanation:

No explanation is available for this question!

45) The electric power from primary distribution line is delivered to distribution substations by using

- Published on 06 Oct 15
- a. 1 phase wire
- **b.** 3 phase, 3 wire
- c. 3 phase, 4 wire
- **d.** All of these
- e. None of these

Answer

Explanation

Related Ques









Practice

Explanation:

No explanation is available for this question!

42) Reactive power is measured in terms of

- Published on 06 Oct 15
- a. kW
- **b.** kVA
- c. kVAR
- d. None of these

Answer

Explanation

Related Ques

ANSWER: kVAR

Explanation:

No explanation is available for this question!

43) Power factor is the ratio of

- Published on 06 Oct 15
- a. Active power to the reactive power
- b. Active power to the apparent power
- c. Apparent power to the active power
- d. Reactive power to the apparent power

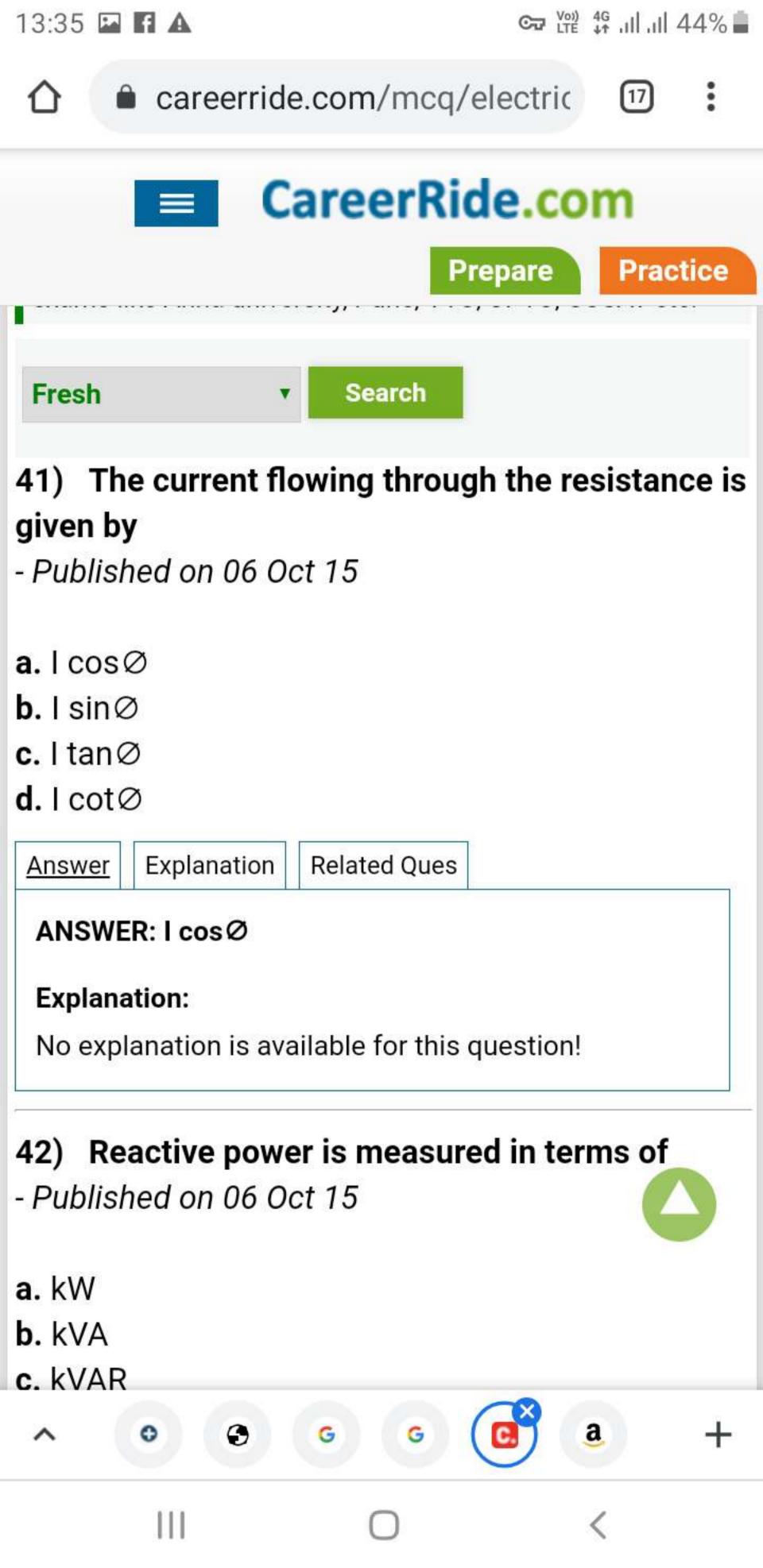


Answer

Explanation

Related Ques

44) For a typical AC power supply, the secondary transmission carries the voltage of







Practice

Expianation.

No explanation is available for this question!

38) The future value of one dollar in "n" periods at interest rate of "I" present is known as

- Published on 06 Oct 15
- a. Single payment compound amount
- b. Single payment present worth
- C. Uniform series compound amount
- d. Sinking fund payment

Answer

Explanation

Related Ques

ANSWER: Single payment compound amount

Explanation:

No explanation is available for this question!

39) The sum of money received or paid in annual in one or more installments, for a given period of time is known as

- Published on 06 Oct 15

- **a.** Time value of money
- b. Annuity
- c. True compounding
- d. Cash flow



Explanation

Related Ques







Practice

. Omigio paymont procent morth

- c. Uniform series compound amount
- d. Sinking fund payment

Answer

Explanation

Related Ques

ANSWER: Single payment compound amount

Explanation:

No explanation is available for this question!

- 39) The sum of money received or paid in annual in one or more installments, for a given period of time is known as
- Published on 06 Oct 15
- **a.** Time value of money
- **b.** Annuity
- c. True compounding
- d. Cash flow

<u>Answer</u>

Explanation

Related Ques

ANSWER: Annuity

Explanation:

No explanation is available for this question!



40) The capital cost of generating equipment, transmission system and distribution system comes under



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Practice

Answer

Explanation

Related Ques

ANSWER: Annuity

Explanation:

No explanation is available for this question!

- 40) The capital cost of generating equipment, transmission system and distribution system comes under
- Published on 06 Oct 15
- a. Fixed capital
- b. Running capital
- c. Both fixed and running capital
- **d.** All of these
- e. None of these

<u>Answer</u>

Explanation

Related Ques

ANSWER: Fixed capital

Explanation:

No explanation is available for this question!

1

2

3

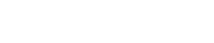
4

5

6



ON-DEMAND
WATER PRESSURE.





(i) X







Practice

ANSWER: (P-L)/n

Explanation:

No explanation is available for this question!

37) The pay period is defined as the ratio of

- Published on 06 Oct 15
- a. Net investment to the net annual cash flow
- **b.** Net investment to the capital cost
- **c.** Net annual cash flow to the capital cost
- d. Net annual savings to the capital cost

<u>Answer</u>

Explanation

Related Ques

ANSWER: Net investment to the net annual cash flow

Explanation:

No explanation is available for this question!

38) The future value of one dollar in "n" periods at interest rate of "I" present is known as



- a. Single payment compound amount
- b. Single payment present worth
- c. Uniform series compound amount
- d. Sinking fund payment



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Practice

ANSWER: All of the above

Explanation:

No explanation is available for this question!

33) If power factor is less than unity then it will result in

- Published on 06 Oct 15
- a. Large kVA rating of equipment
- b. Greater conductor size
- c. Large copper losses
- d. Only A and C
- e. All of these

<u>Answer</u>

Explanation

Related Ques

ANSWER: All of these

Explanation:

No explanation is available for this question!

34) If the load current decreases then the power factor



- a. Will also decrease
- b. Will increase
- c. Will remains unchanged
- d. None of these



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Practice

Answer Explanation

Related Ques

ANSWER: All of these

Explanation:

No explanation is available for this question!

34) If the load current decreases then the power factor

- Published on 06 Oct 15
- Will also decrease
- b. Will increase
- c. Will remains unchanged
- d. None of these

<u>Answer</u>

Explanation

Related Ques

ANSWER: Will increase

Explanation:

No explanation is available for this question!

35) The wattles component is



- a. I
- **b**. I cos∅
- c. I sin∅





Practice

Answer

Explanation

Related Ques

ANSWER: Will increase

Explanation:

No explanation is available for this question!

35) The wattles component is

- Published on 06 Oct 15
- a. I
- **b**. I cos∅
- c. I sin∅
- d. None of these

Answer

Explanation

Related Ques

ANSWER: I sin Ø

Explanation:

No explanation is available for this question!

36) If L is the value of equipment at the end of its useful life, n is the number of years of useful life equipment and P is the initial cost than the annual depreciation rate is given by

- Published on 06 Oct 15
- **a.** (P-L)/n
- h (n-n)/1



Prepare

Practice

36) If L is the value of equipment at the end of its useful life, n is the number of years of useful life equipment and P is the initial cost than the annual depreciation rate is given by

- Published on 06 Oct 15
- **a.** (P-L)/n
- **b.** (p-n)/L
- c. (L-n)/P
- **d.** n / (L-P)

Answer

Explanation

Related Ques

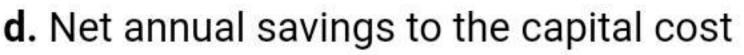
ANSWER: (P-L)/n

Explanation:

No explanation is available for this question!

37) The pay period is defined as the ratio of

- Published on 06 Oct 15
- a. Net investment to the net annual cash flow
- b. Net investment to the capital cost
- c. Net annual cash flow to the capital cost





Answer

Explanation

Related Ques

38) The future value of one dollar in "n" periods



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Practice

ANSWER: Induction motors

Explanation:

No explanation is available for this question!

32) Power factor of a load can be improved by using

- Published on 06 Oct 15
- Static capacitors
- b. Synchronous condenser
- c. Phase advancer
- d. Only a and b
- e. All of the above

Answer

Explanation

Related Ques

ANSWER: All of the above

Explanation:

No explanation is available for this question!

33) If power factor is less than unity then it will result in

- Published on 06 Oct 15



- a. Large kVA rating of equipment
- b. Greater conductor size
- **c.** Large copper losses

- Oply A and O



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31) Phase advancers are used to improve the power factor of

- Published on 06 Oct 15
- a. Induction motors
- **b.** Induction generators
- c. Synchronous motors
- d. Synchronous generators

<u>Answer</u>

Explanation

Related Ques

ANSWER: Induction motors

Explanation:

No explanation is available for this question!

32) Power factor of a load can be improved by using



- a. Static capacitors
- **b.** Synchronous condenser
- c. Phase advancer























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Practice

d. 1958

Answer | E

Explanation

Related Ques

ANSWER: 1948

Explanation:

No explanation is available for this question!

30) Which among the following is not the pronged approach to energy management?

- Published on 06 Oct 15
- Capacity utilization
- **b.** Fine turning of equipment
- c. Technology up gradation
- d. All of these
- e. None of these

<u>Answer</u> Explanation

Related Ques

ANSWER: None of these

Explanation:

No explanation is available for this question!

1 2 3 4 5 6







Practice

Explanation:

No explanation is available for this question!

- 29) The rules of a particular electricity supply system provision for metering, earthing and for other installation matters are in accordance with the electricity supply act of
- Published on 06 Oct 15
- a. 1947
- **b.** 1948
- **c.** 1956
- **d**. 1958

<u>Answer</u>

Explanation

Related Ques

ANSWER: 1948

Explanation:

No explanation is available for this question!

- 30) Which among the following is not the pronged approach to energy management?
- Published on 06 Oct 15



- a. Capacity utilization
- b. Fine turning of equipment
- c. Technology up gradation
- d. All of these



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d. All of these

Answer

Explanation

Related Ques

ANSWER: There is no systematic planning

Explanation:

No explanation is available for this question!

25) In Germany, the maximum energy consumption of a low energy house is

- Published on 06 Oct 15
- a. 50 kWh / m²a
- **b.** 60 kWh / m²a
- **c.** 70 kWh / m²a
- d. 80 kWh / m²a

<u>Answer</u>

Explanation

Related Ques

ANSWER: 70 kWh / m²a

Explanation:

No explanation is available for this question!

26) The water pollution prevention and control act was formed in the year

- Published on 06 Oct 15

1006





Practice

Explanation:

No explanation is available for this question!

26) The water pollution prevention and control act was formed in the year

- Published on 06 Oct 15
- a. 1986
- **b.** 1974
- **c.** 1981
- d. 1980

<u>Answer</u>

Explanation

Related Ques

ANSWER: 1974

Explanation:

No explanation is available for this question!

27) The Indian electricity rules of 1956 cover

- Published on 06 Oct 15
- a. Inspections of electric installations
- **b.** Licensing
- c. General safety precautions
- **d.** Only b and c
- e. All of these

Answer Explanation

Related Ques



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Practice

Explanation:

No explanation is available for this question!

27) The Indian electricity rules of 1956 cover

- Published on 06 Oct 15
- a. Inspections of electric installations
- **b.** Licensing
- c. General safety precautions
- d. Only b and c
- e. All of these

<u>Answer</u>

Explanation

Related Ques

ANSWER: All of these

Explanation:

No explanation is available for this question!

28) Energy conservation act was formed in the year

- Published on 06 Oct 15

- **a.** 1998
- **b**. 1999
- **c.** 2000
- **d**. 2001

Answer Explanation

Related Ques



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Answer | Explanation | Related Ques

ANSWER: All of these

Explanation:

No explanation is available for this question!

28) Energy conservation act was formed in the year

- Published on 06 Oct 15
- a. 1998
- **b**. 1999
- **c.** 2000
- d. 2001

<u>Answer</u>

Explanation

Related Ques

ANSWER: 2001

Explanation:

No explanation is available for this question!

- 29) The rules of a particular electricity supply system provision for metering, earthing and for other installation matters are in accordance with the electricity supply act of
- Published on 06 Oct 15
- **a.** 1947





Practice

Answer

Explanation

Related Ques

ANSWER: all of these

Explanation:

No explanation is available for this question!

In passive potential energy strategies,

- Published on 06 Oct 15
- There is no systematic planning
- **b.** Measures with low profitability is not considered
- **c.** One should have high knowledge of the energy price
- d. All of these

<u>Answer</u>

Explanation Related Ques

ANSWER: There is no systematic planning

Explanation:

No explanation is available for this question!

25) In Germany, the maximum energy consumption of a low energy house is



- Published on 06 Oct 15

a. 50 kWh / m²a





Practice

Explanation:

No explanation is available for this question!

23) The energy strategies of companies have the principle of

- Published on 06 Oct 15
- a. restoring and preserving the environment
- b. reducing wastes and pollutants
- c. educating the people about energy conservation
- d. all of these
- e. none of these

<u>Answer</u>

Explanation

Related Ques

ANSWER: all of these

Explanation:

No explanation is available for this question!

24) In passive potential energy strategies,

- Published on 06 Oct 15
- a. There is no systematic planning
- **b.** Measures with low profitability is not considered



- c. One should have high knowledge of the energy price
- d. All of these





Practice

ANSWER: All of these

Explanation:

No explanation is available for this question!

22) The monitor and control of energy management system is done by using

- Published on 06 Oct 15
- a. MATLAB
- b. SCADA
- c. AUTO CAED
- **d.** All of these
- e. None of these

<u>Answer</u>

Explanation

Related Ques

ANSWER: SCADA

Explanation:

No explanation is available for this question!

23) The energy strategies of companies have the principle of

- Published on 06 Oct 15



- a. restoring and preserving the environment
- b. reducing wastes and pollutants
- c. educating the people about energy conservation



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21) Cloud base energy management system provides the ability to

- Published on 06 Oct 15
- Remotely control HVAC
- **b.** Collect real time data
- **c.** Generate intelligent, specific and real time guidance
- d. Only b and c
- e. All of these

Answer

Explanation

Related Ques

ANSWER: All of these

Explanation:

No explanation is available for this question!

22) The monitor and control of energy management system is done by using



Published on 06 Oct 15

a. MATLAB

h SCADA

























Practice

Answer

Explanation

Related Ques

ANSWER: Decreases with speed

Explanation:

No explanation is available for this question!

17) The basic function of electronic ballast is

- Published on 06 Oct 15
- To ignite the lamp
- **b.** To stabilize the gas discharge
- c. To supply the power to the lamp
- d. Only a and c
- e. All of these

<u>Answer</u>

Explanation

Related Ques

ANSWER: All of these

Explanation:

No explanation is available for this question!

18) The rotational speed of an AC induction motor depends on the

- Published on 06 Oct 15



- a. Number of poles in stator
- b. Frequency of the applied AC power
- Roth a and h



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- **d.** Only a and c
- e. All of these

Answer

Explanation

Related Ques

ANSWER: All of these

Explanation:

No explanation is available for this question!

18) The rotational speed of an AC induction motor depends on the

- Published on 06 Oct 15
- a. Number of poles in stator
- b. Frequency of the applied AC power
- c. Both a and b
- d. None of these

Answer

Explanation

Related Ques

ANSWER: Both a and b

Explanation:

No explanation is available for this question!

19) A conventional incandescent lamp has a luminous efficiency of

- Published on 06 Oct 15

a 10 lumone / watt





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ino explanation la avallable for tilla question:

A conventional incandescent lamp has a luminous efficiency of

- Published on 06 Oct 15
- a. 10 lumens / watt
- **b.** 12 lumens / watt
- c. 14 lumens / watt
- d. 14.6 lumens / watt

Answer

Explanation

Related Ques

ANSWER: 12 lumens / watt

Explanation:

No explanation is available for this question!

20) In valley filling, the incremental costs during peak hours are

- Published on 06 Oct 15
- a. Less than the average costs of electricity
- **b.** More than the average costs of electricity
- c. Equal to the average cost of electricity
- d. None of these



Answer Explanation

Related Ques

1 2 3 4 5 6



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Practice

Explanation:

No explanation is available for this question!

20) In valley filling, the incremental costs during peak hours are

- Published on 06 Oct 15
- a. Less than the average costs of electricity
- b. More than the average costs of electricity
- c. Equal to the average cost of electricity
- d. None of these

Answer

Explanation

Related Ques

ANSWER: Less than the average costs of electricity

Explanation:

No explanation is available for this question!

1 2 3 4 5 6





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Practice

Explanation:

No explanation is available for this question!

13) The ratio of average load over a designated period to the peak load demand occurring in that period is known as

- Published on 06 Oct 15
- a. power factor
- **b.** ratchet rate
- c. load factor
- d. production factor

<u>Answer</u>

Explanation

Related Ques

ANSWER: load factor

Explanation:

No explanation is available for this question!

14) The production factor is defined as the ratio of

- Published on 06 Oct 15

- a. current year production to the reference year production
- b. current year production to the reference month production



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14) The production factor is defined as the ratio of

- Published on 06 Oct 15
- a. current year production to the reference year production
- **b.** current year production to the reference month production
- **c.** reference month production to the current month production
- **d.** reference year production to the current year production

Answer

Explanation

Related Ques

ANSWER: current year production to the reference year production

Explanation:

No explanation is available for this question!

15) The reactive power component kVAR is equal to the

Published on 06 Oct 15



























Practice

ANSWER: current year production to the reference year production

Explanation:

No explanation is available for this question!

15) The reactive power component kVAR is equal to the

- Published on 06 Oct 15
- a. kVA sinØ
- **b.** kW tan∅
- c. kW cos∅
- **d.** Both (a) and (b)
- e. None of these

Answer

Explanation

Related Ques

ANSWER: Both (a) and (b)

Explanation:

No explanation is available for this question!

16) The efficiency of variable speed drives generally



- a. Decreases with speed
- h Increases with sneed



Prepare

Practice

- **d.** Both (a) and (b)
- e. None of these

Answer

Explanation

Related Ques

ANSWER: Both (a) and (b)

Explanation:

No explanation is available for this question!

16) The efficiency of variable speed drives generally

- Published on 06 Oct 15
- a. Decreases with speed
- b. Increases with speed
- c. Remains constant with change in speed
- d. None of these

Answer

Explanation

Related Ques

ANSWER: Decreases with speed

Explanation:

No explanation is available for this question!

17) The basic function of electronic ballast is

- Published on 06 Oct 15
- a. To ignite the lamp
- b. To stabilize the das discharde



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Practice

star connected

Explanation:

No explanation is available for this question!

12) The conversion factor for the standard power rating motor is equal to

- Published on 06 Oct 15
- **a.** 0.735
- **b.** 0.746
- c. 0.748
- **d.** 0.756

<u>Answer</u>

Explanation

Related Ques

ANSWER: 0.746

Explanation:

No explanation is available for this question!

13) The ratio of average load over a designated period to the peak load demand occurring in that period is known as

- Published on 06 Oct 15



- a. power factor
- b. ratchet rate
- c. load factor



Prepare

Practice



11) The secondary distribution transformer is generally

- Published on 06 Oct 15
- a. Star connected
- b. Star connected with the secondary delta connected
- c. Delta connected with the secondary star connected
- d. Delta connected

Answer Explanation Related Ques

ANSWER: Delta connected with the secondary star connected

Explanation:

No explanation is available for this question!

12) The conversion factor for the standard power rating motor is equal to

- Published on 06 Oct 15



- a. 0.735
- **b.** 0.746
- **c.** 0.748



Prepare

Practice

10) Which method provides cash for the replacement of asset at the end of its useful life?

- Published on 06 Oct 15
- a. Straight line depreciation
- b. Sum of years digits depreciation
- c. Declining balance depreciation
- d. Sinking fund depreciation

Answer

Explanation

Related Ques

ANSWER: Sinking fund depreciation

Explanation:

No explanation is available for this question!

1

2

3

4

6







① X



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Prepare

Practice

- D. PCXI
- c. PCAT
- d. All of these

Answer

Explanation

Related Ques

A tax credit substantially

- Published on 06 Oct 15
- a. Increases the investment merit of the investment
- b. Decreases the investment merit of the investment
- c. Does not cause any effect on the investment merit of the investment
- d. None of these

<u>Answer</u>

Explanation

Related Ques

ANSWER: Increases the investment merit of the investment

Explanation:

No explanation is available for this question!

10) Which method provides cash for the replacement of asset at the end of its useful life?

- Published on 06 Oct 15
- a. Straight line depreciation







C. Nitrogen



35. Filament lamps normally operate at a power factor of

- A. Unity
- B. 0.8 lagging
- C. 0.5 lagging
- D. 0.9 lagging



A. Unity



Ш



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:



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Prepare

Practice

d. None of these

Answer

Explanation

Related Ques

To reduce the power consumption, the capacitors should be located

- Published on 06 Oct 15
- a. As close as possible to the load
- **b.** As far as possible to the load
- c. Not too close not too far from the load
- d. All of these
- e. None of these

<u>Answer</u>

Explanation

Related Ques

ANSWER: As close as possible to the load

Explanation:

No explanation is available for this question!

A synchronous motor takes the leading current when it is

- Published on 06 Oct 15



























Practice

Answer

Explanation

Related Ques

- 5) In order to improve the power factor of equipment operating at lagging power factor, a capacitor is connected
- Published on 06 Oct 15
- a. In series with the equipment
- **b.** In parallel with the equipment
- c. In series-parallel with the equipment
- **d.** Either (a) or (b)

<u>Answer</u>

Explanation

Related Ques

ANSWER: In parallel with the equipment

Explanation:

No explanation is available for this question!

- 6) A person purchases a lathe for Rs. 8000 the freight and haulage cost Rs 150 and the charges for installation it is Rs 200. Its life is 20 years and the scrap value is Rs 250. Then the annual depreciation charges by straight line method is
- Published on 06 Oct 15



- a. Rs 405
- **b.** Rs 452.6
- c. Rs 438.9
- d. Rs 523.8





Practice

ANSWER: As close as possible to the load

Explanation:

No explanation is available for this question!

- A synchronous motor takes the leading current when it is
- Published on 06 Oct 15
- a. Overexcited
- b. Under excited
- c. Not excited
- **d.** Either (a) or (b)
- e. All of these

<u>Answer</u>

Explanation

Related Ques

ANSWER: Either (a) or (b)

Explanation:

No explanation is available for this question!

- 4) If an alternator is supplying load of 350 kW at 0.6 pf lagging and its power factor is raised to unity then to supply the alternator for the same kVA loading, the extra required kilowatts will be
- Published on 06 Oct 15
- a. 205 kW





34. The gas used in a gas filled filament lamp is

- A. Helium
- B. Oxygen
- C. Nitrogen
- D. Ozone
- E. Carbon monoxide



C. Nitrogen



35. Filament lamps normally operate at a power factor of

- A. Unity
- B. 0.8 lagging
- C. 0.5 lagging
- D. 0.9 lagging



Your Comments





32. Magnesium vapour in a filament lamp gives

- A. Green colour light
- B. Pink colour light
- C. Blue colour light
- D. White colour light



A. Green colour light



33. Which gas is sometimes used in filament lamps
?

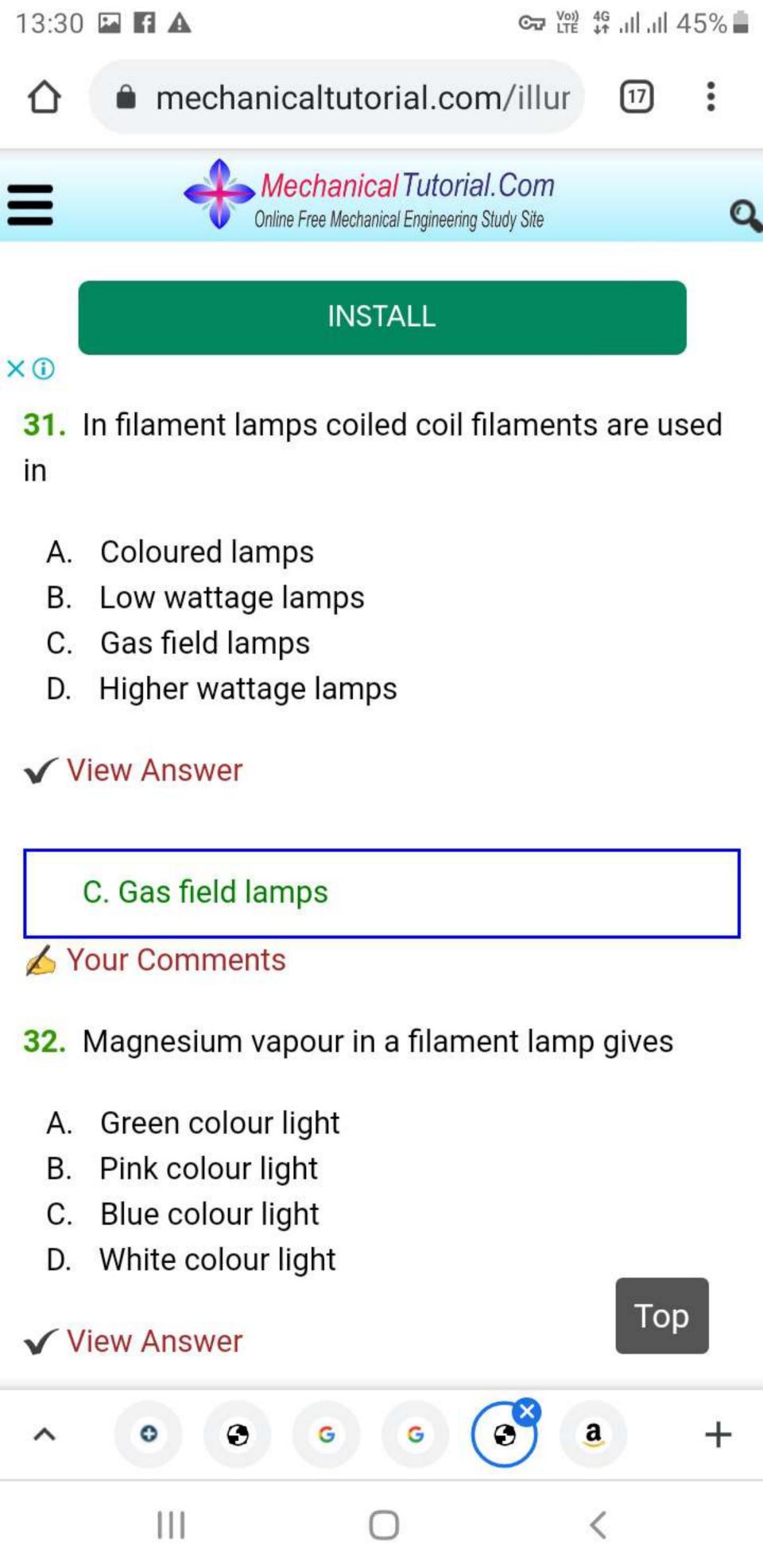
- A. Nitrogen
- B. Carbon dioxide

Ш

- C. Aragon
- D. Krypton



Тор











E. None of the above



D. All of the above



- 40. Which off the following lambs is a cold cathode lamp?
 - A. Sodium vapour lamp
 - B. Mercury vapour lamp
 - C. Neon lamp
 - D. None of the above



C. Neon lamp







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C. Improve the power factor of the tube circuit



- 45. The Flickr effect of fluorescent lamps is more pronounced at
 - A. Lower voltages
 - B. Higher voltages
 - C. Higher frequencies
 - D. Lower frequencies



D. Lower frequencies













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The luminous efficiency of high-pressure mercury vapour lamps ranges fromlumens/watt

- A. 30 to 40
- 70 to 90
- C. 100 to 120
- D. 150 to 180



A. 30 to 40



- 37. A Mercury vapour lamp gives light of
 - Green colour light Α.
 - В. Pink colour light
 - C. Greenish blue colour light
 - D. White colour light



Top























D. 150 to 180



A. 30 to 40



- A Mercury vapour lamp gives light of
 - A. Green colour light
 - B. Pink colour light
 - C. Greenish blue colour light
 - D. White colour light



C. Greenish blue colour light



- 38. High-pressure mercury vapour lamps
- A. Are similar in construction to sodium vapour lamps
- B. Need four or five minutes to attend a full brilliancy
- C. Are generally used for general industrial lighting railway yards etc.
 - D. All of the above





39. High-pressure Mercury vapour lamps

- A. The main electrodes are made of tungsten wire in the form of helix
- B. The choke is provided to limit the current to a safe value
- C. In addition to two main electrodes a starting electrode is connected through a high resistance
 - D. All of the above
 - E. None of the above



D. All of the above



- 40. Which off the following lambs is a cold cathode lamp?
 - A. Sodium vapour lamp
 - B. Mercury vapour lamp
 - C. Neon lamp
 - D. None of the above





Тор



















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44. A capacitor is connected across the fluorescent tube circuit in order to

- A. Eliminate the noise
- B. Limit the current
- C. Improve the power factor of the tube circuit
- D. All of the above
- E. None of the above



C. Improve the power factor of the tube circuit



45. The Flickr effect of fluorescent lamps is more pronounced at

- A. Lower voltages
- B. Higher voltages
- C. Higher frequencies
- D. Lower frequencies

Тор











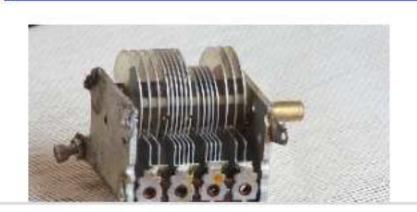
43. A fluorescent tube can be operated on

- A. Both DC and AC supply
- B. Only AC supply
- C. Only DC supply
- D. Satisfactory only on the supply

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A. Both DC and AC supply



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D. Mercury vapour



D. Mercury vapour



42. Standard wattage of a 1 m fluorescent tube is

- A. 50 w
- B. 25 w
- C. 100 w
- D. 85 w

View Answer

B. 25 W

Your Comments

43. A fluorescent tube can be operated on

- A. Both DC and AC supply
- B. Only AC supply
- C. Only DC supply
- D. Satisfactory only on the supply





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:





- **41.** Which off the following is present inside the fluorescent tube?
 - A. Helium and oxygen
 - B. Aragon and carbon dioxide
 - C. Aragon and neon
 - D. Mercury vapour



D. Mercury vapour



Your Comments

- 42. Standard wattage of a 1 m fluorescent tube is
 - A. 50 w
 - B. 25 w
 - C. 100 w
 - D. 85 w



Тор











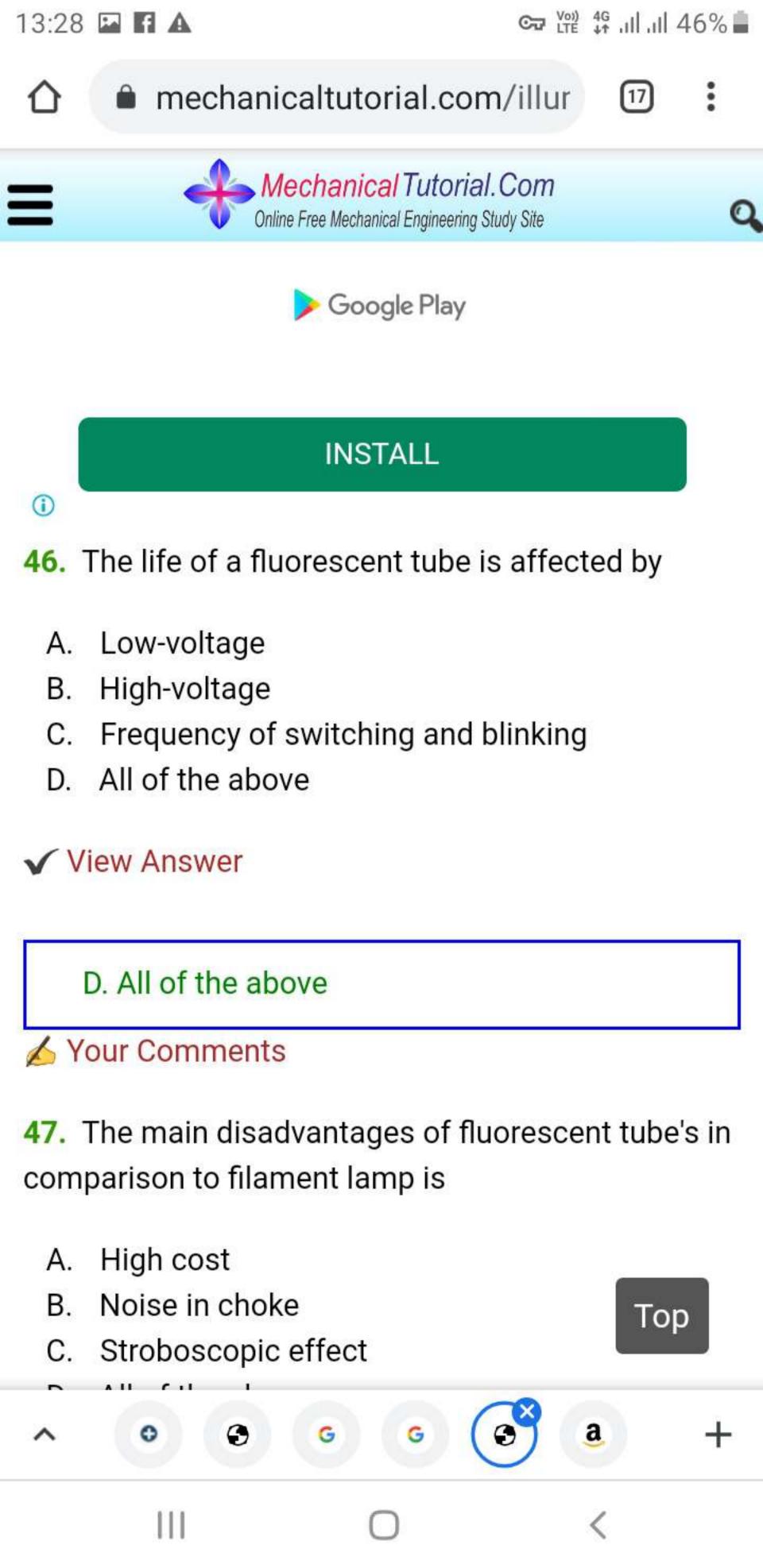






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D. All of the above



- 47. The main disadvantages of fluorescent tube's in comparison to filament lamp is
 - A. High cost
 - B. Noise in choke
 - C. Stroboscopic effect
 - D. All of the above



D. All of the above

Your Comments

- 48. Blinking of fluorescent tube may be on account of
 - A. Low circuit voltage
 - B. Loose contact
 - C. Defective starter
 - D. Any of the above

CA Employers: CalSavers registration is op Top





- 49. The light of fluorescent tube appears cooler than that from an incandescent lamp. This is due to the fact that
 - The tube consumes less power
- B. Surface area of tube is larger than that of the incandescent lamp
 - C. Tungsten is not used in the tube
 - D. All of the above
 - E. None of the above



C. Tungsten is not used in the tube



- 50. For operation of fluorescent tube on DC supply the additional device incorporated in the Tube circuit is a
 - A. Transformer
 - B. Resistor
 - C. Inductor
 - D. All of the above















C. Tungsten is not used in the tube



50. For operation of fluorescent tube on DC supply the additional device incorporated in the Tube circuit is a

- A. Transformer
- B. Resistor
- C. Inductor
- D. All of the above



B. Resister

Your Comments



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① X



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- D. Garage
- E. None of the above



C. Railway platform



- 10. For precision work the illumination level required is the order of
 - A. 500 to 1000 lumens/m²
 - B. 300 to 400 lumens/m²
 - C. 50 to 100 lumens/m²
 - D. Any of the above



A. 500 to 1000 lumens/m²







Тор









INSTALL

Your Comments

- 9. Which off the following will need the lowest level of illumination?
 - A. Workshop
 - B. Displays
 - C. Railway platform
 - D. Garage
 - E. None of the above



C. Railway platform



- 10. For precision work the illumination level required is the order of
 - A. 500 to 1000 lumens/m²
 - B. 300 to 400 lumens/m²
 - C. 50 to 100 lumens/m²
 - D. Any of the above













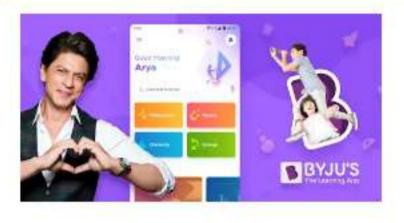


Your Comments

- 8. which off the following will need the highest level of illumination?
 - A. Kitchen
 - B. Living room
 - C. Proof reading
 - D. Hospital wards



C. Proof Reading



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- 9. Which off the following will need the lowest level of illumination?
 - A. Workshop
 - B. Displays
 - C. Railway platform
 - D. Garage
 - E. None of the above











D. Distance of the light source



B. Ambient temperature



- In caseof least illumination level is required
 - A. Skilled bench work
 - B. Drawing offices
 - C. Hospital wards
 - D. Fine Machine work



C. Hospital wards

Your Comments

- 8. which off the following will need the highest level of illumination?
 - A. Kitchen
 - B. Living room
 - C. Proof reading
 - D. Hospital wards













- 3. In houses the illumination is in the range of
 - A. 2 to 5 lumens per watt
 - B. 15 to 20 lumens per watt
 - C. 40 to 45 lumens per watt
 - D. 60 to 65 lumens per watt

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D. 60 to 65 lumens per watt



4. due to Moonlight illumination is nearly



 $\lambda = 2000 \, \text{lumana/m}^2$









due to Moonlight illumination is nearly

- A. 3000 lumens/m²
- B. 300 lumen/m²
- C. 30 lumen/metres²
- D. 0.3 lumen/m²
- E. None of the above



D. 0.3 lumen/m²

Your Comments

- For normal reading the illumination level required is around
 - A. 22 to 40 lumens/m²
 - B. 60 to 100 lumens/m²
 - C. 200 to 300 lumens/m²
 - D. Any of the above







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D. 0.3 lumen/m²



Your Comments

- For normal reading the illumination level required is around
 - A. 22 to 40 lumens/m²
 - 60 to 100 lumens/m²
 - C. 200 to 300 lumens/m²
 - D. Any of the above



B. 60 to 100 lumens/m²













INSTALL



- The illumination level on the surface is least affected by
 - A. Candle power of light source
 - B. Ambient temperature
 - C. Type of reflector used
 - D. Distance of the light source



B. Ambient temperature



Your Comments

- 7. In caseof least illumination level is required
 - A. Skilled bench work
 - B. Drawing offices
 - C. Hospital wards
 - D. Fine Machine work







which off the following will need the highest level











B. Lux



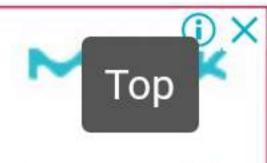
- 2. The illumination at the various points on a horizontal surface illuminated by the same source varies as
 - A. Cos θ
 - B. Cos 2 θ
 - C. Cos ³ θ
 - D. $1/\cos\theta$



C. Cos 3 0



- 3. In houses the illumination is in the range of
 - A. 2 to 5 lumens per watt
 - B. 15 to 20 lumens per watt
 - C. 40 to 45 lumens per watt
 - D. 60 to 65 lumens per watt









- Illumination of one lumen per square metre is called
 - A. Lumen metre
 - B. Lux
 - C. Candela
 - D. Foot candle



B. Lux



- The illumination at the various points on a horizontal surface illuminated by the same source varies as
 - A. Cos θ
 - B. $\cos^2 \theta$
 - C. Cos ³ θ
 - D. 1/cos θ

Тор

View Answer













C. High leakage reactance



25. Leak transformer is a sodium vapour lamp initially provides

- A. High current
- B. Low voltage
- C. High voltage
- D. Low current



C. High voltage

Your Comments



Ш



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B. Improve the circuit power factor



- 24. An auto transformer used with a sodium vapour lamp should have
 - A. High step up ratio
 - B. High step down ratio
 - C. High leakage reactance
 - D. High resistance
 - E. None of the above



C. High leakage reactance



- 25. Leak transformer is a sodium vapour lamp initially provides
 - A. High current
 - B. Low voltage
 - C. High voltage
 - D. Low current















- A. Transmits all the incident light
- B. Absorbs all the incident light
- C. Difuses all the incident light
- D. All of the above
- E. None of the above



D. All of the above



Luminous flux is

- A. The rate of energy radiation in the form of light waves
- B. The part of light energy radiated by sun that is received on earth
 - C. Measured in lux
 - D. All of the above



A. The rate of energy radiation in the form of light waves



Тор



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- 21. The sodium vapour lamp
- Is only suitable for AC and so needs choke control
- Needs capacitor in its autotransformer circuit to improve the power factor which is very low
- Comes up to its rated output in approximately 15 minutes
 - D. All of the above



D. All of the above



Your Comments

- 22. In sodium vapour discharge lamp the neon gas
 - Changes the colour of light
 - В. Prevents vaporisation of filament





















D. All of the above



- 22. In sodium vapour discharge lamp the neon gas
 - A. Changes the colour of light
 - B. Prevents vaporisation of filament
 - C. Acts as a shield around the filament
- D. Assists in developing enough heat to vaporised the sodium



D. Assists in developing enough heat to vaporised the sodium



- 23. The capacitor is used in auto transformer circuit of a sodium vapour lamp in order to
 - A. Regulate discharge voltage
 - B. Improve the circuit power factor
 - C. Control lamp illumination level
 - D. Protect the lamp against overvoltage













ט. Assists in developing enougn neat to vaporised the sodium



D. Assists in developing enough heat to vaporised the sodium



- 23. The capacitor is used in auto transformer circuit of a sodium vapour lamp in order to
 - A. Regulate discharge voltage
 - B. Improve the circuit power factor
 - C. Control lamp illumination level
 - D. Protect the lamp against overvoltage



B. Improve the circuit power factor



- 24. An auto transformer used with a sodium vapour lamp should have
 - A. High step up ratio
 - B. High step down ratio
 - C. High leakage reactance
 - D. High resistance













B. The light radiating capacity of a source in a given direction



- 19. The Perfect diffuser surface is one that
 - A. Transmits all the incident light
 - B. Absorbs all the incident light
 - C. Difuses all the incident light
 - D. All of the above
 - E. None of the above



D. All of the above



- 20. Luminous flux is
- A. The rate of energy radiation in the form of light waves
- B. The part of light energy radiated by sure received on earth





18. Candle power is

- A. The luminous flux emitted by the source per unit solid angle
- B. The light radiating capacity of a source in a given direction
 - C. Either A or B
 - D. None of the above

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B. The light radiating capacity of a source in a given direction







D. None of the above



C. Either A or B



Glare is reduced by

- A. Increasing the mounting height of the lamp
- B. Using diffusers
- C. Using reflectors to cut off the light at certain angle
 - D. All of the above



D. All of the above

Your Comments

18. Candle power is

- A. The luminous flux emitted by the source per unit solid angle
- B. The light radiating capacity of a source in a given direction
 - C. Either A or B
 - D. None of the above









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- Glare is caused due to
 - Excessive luminance
 - Excessive lighting contrast in the field of vision
 - C. Either A or B
 - D. None of the above



C. Either A or B



Your Comments

- 17. Glare is reduced by
 - Increasing the mounting height of the lamp
 - В. Using diffusers
- Using reflectors to cut off the light at certain angle Top
 - D. All of the above





















of Illumination for SSC JE (electrical) with explanation

Ques.1. The radiant efficiency of the luminous source depends on

- The shape of the source
- 2. The temperature of the source
- 3. The wavelength of the light rays
- 4. All of the above

Show Explanation

Ques.2. Lightwave travel with a velocity of

$$1.3 \times 10^{10}$$
 cm/s

$$2.3 \times 10^{12} \text{ cm/s}$$

$$3.3 \times 10^{15} \text{ cm/s}$$