

National Testing Agency

Question Paper Name :	Awareness Programme on Solar Water Pumping System 30 Sep 2020 Shift 2
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Awareness Programme on Solar Water Pumping System

Group Number :	1
Group Id :	899514204
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No

Awareness Programme on Solar Water Pumping System

Section Id :	899514284
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	100

Number of Questions to be attempted :	100
Section Marks :	100
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	899514329
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 89951417299 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The main source of all forms of energy on the earth is _____.

1. sun
2. mechanical
3. electrical
4. all

Options :

89951467598. 1
89951467599. 2
89951467600. 3
89951467601. 4

Question Number : 2 Question Id : 89951417300 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Cost of PV Module is the major contributor towards the total _____ of Solar PV system.

1. operational cost
2. capital cost
3. opportunity cost
4. all

Options :

89951467602. 1
89951467603. 2
89951467604. 3
89951467605. 4

Question Number : 3 Question Id : 89951417301 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The _____ flows from positive (+) to negative (-) terminals of the Solar PV Module.

1. current
2. voltage
3. resistance
4. none

Options :

89951467606. 1
89951467607. 2
89951467608. 3
89951467609. 4

Question Number : 4 Question Id : 89951417302 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Direct solar energy is used for _____.

1. water heating
2. drying
3. distillation
4. all

Options :

89951467610. 1
89951467611. 2
89951467612. 3
89951467613. 4

Question Number : 5 Question Id : 89951417303 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In drip irrigation, water is applied _____ the crop root zone.

1. near
2. away
3. below
4. none

Options :

89951467614. 1
89951467615. 2
89951467616. 3
89951467617. 4

**Question Number : 6 Question Id : 89951417304 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

The amount of solar energy available at a particular location on the earth's surface is also known as

- _____.
1. thermal energy
 2. wind Energy
 3. insolation
 4. hydro-electrical energy

Options :

89951467618. 1
89951467619. 2
89951467620. 3
89951467621. 4

**Question Number : 7 Question Id : 89951417305 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

_____ of diesel power is considerably high when compared to hydro-electricity.

1. capital cost
2. initial cost
3. operational cost
4. all

Options :

89951467622. 1
89951467623. 2
89951467624. 3
89951467625. 4

**Question Number : 8 Question Id : 89951417306 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

In _____ countries, grid-based electricity and diesel are used to carry out agricultural operations.

1. developing
2. developed
3. under developed
4. none

Options :

89951467626. 1
89951467627. 2
89951467628. 3
89951467629. 4

Question Number : 9 Question Id : 89951417307 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Countries located between tropic of Cancer and Capricorn, solar radiation for _____ 300 days a year is available.

1. less than
2. more than
3. equal
4. none

Options :

89951467630. 1
89951467631. 2
89951467632. 3
89951467633. 4

Question Number : 10 Question Id : 89951417308 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A solar photovoltaic (SPV) technology is used to convert fraction of solar radiation into _____.

1. mechanical energy
2. thermal energy
3. electrical energy
4. all

Options :

89951467634. 1

89951467635. 2

89951467636. 3

89951467637. 4

Question Number : 11 Question Id : 89951417309 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A photovoltaic (PV) array is the _____ power generating unit consisting of solar photovoltaic modules.

1. complete
2. incomplete
3. semi complete
4. none

Options :

89951467638. 1

89951467639. 2

89951467640. 3

89951467641. 4

Question Number : 12 Question Id : 89951417310 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Capex cost of _____ is high.

1. electrical technology
2. solar PV technology
3. digital technology
4. none

Options :

89951467642. 1

89951467643. 2

89951467644. 3

89951467645. 4

Question Number : 13 Question Id : 89951417311 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Solar Energy is _____, _____ and _____.

1. clean
2. eco-friendly
3. green
4. all

Options :

89951467646. 1

89951467647. 2

89951467648. 3

89951467649. 4

Question Number : 14 Question Id : 89951417312 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Diesel is _____ the source of energy.

1. non-renewal
2. renewal
3. mechanical
4. none

Options :

89951467650. 1

89951467651. 2

89951467652. 3

89951467653. 4

Question Number : 15 Question Id : 89951417313 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Solar thermal is the source of energy for _____.

1. solar PV lights
2. solar cookers
3. LED
4. none

Options :

89951467654. 1

89951467655. 2

89951467656. 3

89951467657. 4

Question Number : 16 Question Id : 89951417314 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Functions of solar cooker are _____.

1. concentrate sunlight
2. trap heat
3. convert light to heat
4. all

Options :

89951467658. 1

89951467659. 2

89951467660. 3

89951467661. 4

Question Number : 17 Question Id : 89951417315 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

_____ water pump required normally a DC motor.

1. solar PV
2. electrical
3. electro mechanical
4. none

Options :

89951467662. 1

89951467663. 2

89951467664. 3

89951467665. 4

Question Number : 18 Question Id : 89951417316 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

_____ powered water pump decreases the input cost up to 50%.

1. solar
2. electrical
3. mechanical
4. none

Options :

89951467666. 1
89951467667. 2
89951467668. 3
89951467669. 4

Question Number : 19 Question Id : 89951417317 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Power _____ pumps are used in commercial Fish and shrimp farms.

1. aeration
2. water
3. oil
4. none

Options :

89951467670. 1
89951467671. 2
89951467672. 3
89951467673. 4

Question Number : 20 Question Id : 89951417318 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Power aeration pump helps in increasing _____ levels.

1. CO₂
2. Oxygen
3. SO₂
4. none

Options :

89951467674. 1
89951467675. 2

89951467676. 3

89951467677. 4

Question Number : 21 Question Id : 89951417319 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Cloud cover significantly affects the _____ power production.

1. solar
2. electrical
3. mechanical
4. none

Options :

89951467678. 1

89951467679. 2

89951467680. 3

89951467681. 4

Question Number : 22 Question Id : 89951417320 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ are the large mega scale power plants feeding power into ultra-high voltage grids.

1. rooftop
2. energy parks
3. green park
4. none

Options :

89951467682. 1

89951467683. 2

89951467684. 3

89951467685. 4

Question Number : 23 Question Id : 89951417321 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The irrigation _____ in surface irrigation methods is around 40%.

1. quality
2. efficiency
3. stability
4. none

Options :

89951467686. 1
89951467687. 2
89951467688. 3
89951467689. 4

Question Number : 24 Question Id : 89951417322 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The _____ methods of irrigation are oldest and most commonly used for water application to the crop.

1. surface
2. drip
3. sprinkler
4. all

Options :

89951467690. 1
89951467691. 2
89951467692. 3
89951467693. 4

Question Number : 25 Question Id : 89951417323 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is most commonly used material in present day PV technology.

1. Polymer silicon
2. Crystalline silicon
3. Organic silicon
4. none

Options :

89951467694. 1
89951467695. 2

89951467696. 3

89951467697. 4

Question Number : 26 Question Id : 89951417324 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is an angle with respect to an equatorial reference plane.

1. Latitude
2. Longitude
3. Earth's tilt
4. none

Options :

89951467698. 1

89951467699. 2

89951467700. 3

89951467701. 4

Question Number : 27 Question Id : 89951417325 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A mechanical device used for lifting of water is known as _____.

1. controller
2. water pump
3. PV module
4. all

Options :

89951467702. 1

89951467703. 2

89951467704. 3

89951467705. 4

Question Number : 28 Question Id : 89951417326 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Desalination is a process of _____ minerals and salts from saline water to produce freshwater.

1. mixing
2. adding
3. removing
4. none

Options :

89951467706. 1
89951467707. 2
89951467708. 3
89951467709. 4

Question Number : 29 Question Id : 89951417327 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Energy requirement is _____ in sprinkler irrigation methods.

1. high
2. moderate
3. low
4. none

Options :

89951467710. 1
89951467711. 2
89951467712. 3
89951467713. 4

Question Number : 30 Question Id : 89951417328 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

An angle with reference to the prime meridian is known as _____.

1. Latitude
2. Longitude
3. Earth's tilt
4. none

Options :

89951467714. 1
89951467715. 2
89951467716. 3

89951467717. 4

Question Number : 31 Question Id : 89951417329 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A solar cell is a p-n junction _____ device.

1. mechanical
2. semiconductor
3. electro-mechanical
4. all

Options :

89951467718. 1
89951467719. 2
89951467720. 3
89951467721. 4

Question Number : 32 Question Id : 89951417330 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In present-day technology a _____ of 6 inches size can generates power up to 5 watts.

1. diode
2. transistor
3. solar cell
4. all

Options :

89951467722. 1
89951467723. 2
89951467724. 3
89951467725. 4

Question Number : 33 Question Id : 89951417331 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Centrifugal pumps can be used for _____ at low heads.

1. medium heads
2. higher discharge
3. higher heads
4. none

Options :

89951467726. 1
89951467727. 2
89951467728. 3
89951467729. 4

Question Number : 34 Question Id : 89951417332 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ pumps do not require priming.

1. Submersible
2. Centrifugal pumps
3. Positive displacement pumps
4. none

Options :

89951467730. 1
89951467731. 2
89951467732. 3
89951467733. 4

Question Number : 35 Question Id : 89951417333 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following are a type of positive displacement pumps?

1. reciprocating pump
2. hand pump
3. centrifugal pump
4. both 1 and 2

Options :

89951467734. 1
89951467735. 2

89951467736. 3

89951467737. 4

Question Number : 36 Question Id : 89951417334 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A simple solar PV array consists of a designated number of solar PV modules of _____ watta

1. same
2. varying
3. different
4. none

Options :

89951467738. 1

89951467739. 2

89951467740. 3

89951467741. 4

Question Number : 37 Question Id : 89951417335 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Direct current water pumps in generally use one-third to one-half the energy of conventional _____ pumps.

1. direct current
2. alternating current
3. eddy current
4. none

Options :

89951467742. 1

89951467743. 2

89951467744. 3

89951467745. 4

Question Number : 38 Question Id : 89951417336 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The solar PV water pumps are used for_____.

1. domestic water supply
2. industrial
3. irrigation
4. all

Options :

89951467746. 1

89951467747. 2

89951467748. 3

89951467749. 4

Question Number : 39 Question Id : 89951417337 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In the Southern Hemisphere, north is the _____orientation.

1. best possible
2. not good
3. unsuitable
4. none

Options :

89951467750. 1

89951467751. 2

89951467752. 3

89951467753. 4

Question Number : 40 Question Id : 89951417338 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The _____ optimizes the power output from the array.

1. PV Solar array
2. motor
3. pump controller
4. none

Options :

89951467754. 1

89951467755. 2

89951467756. 3

89951467757. 4

Question Number : 41 Question Id : 89951417339 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The solar PV water pumping system uses motor and a pump which are different from that of the conventional _____ AC motor and pump.

1. 50 KHz
2. 50 Hz
3. 100 Hz
4. none

Options :

89951467758. 1

89951467759. 2

89951467760. 3

89951467761. 4

Question Number : 42 Question Id : 89951417340 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In positive displacement pumps, flow rate remains constant with a change in _____.

1. temperature
2. pressure
3. RH
4. voltage

Options :

89951467762. 1

89951467763. 2

89951467764. 3

89951467765. 4

Question Number : 43 Question Id : 89951417341 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Flow rate _____ with a change in pressure in centrifugal pumps.

1. varies
2. constant
3. same
4. none

Options :

89951467766. 1
89951467767. 2
89951467768. 3
89951467769. 4

Question Number : 44 Question Id : 89951417342 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is used to draw a vacuum at the inlet side and send water out.

1. Shaft
2. Casing
3. Impeller
4. none

Options :

89951467770. 1
89951467771. 2
89951467772. 3
89951467773. 4

Question Number : 45 Question Id : 89951417343 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Surface water pumps are _____ if depth of water is 6 meters or less from the surface located at or near the water surface.

1. not suitable
2. suitable
3. not working
4. none

Options :

89951467774. 1
89951467775. 2

89951467776. 3

89951467777. 4

Question Number : 46 Question Id : 89951417344 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ operated water pumps emit large amount of Carbon dioxide gas

1. electrical
2. solar energy
3. diesel
4. none

Options :

89951467778. 1

89951467779. 2

89951467780. 3

89951467781. 4

Question Number : 47 Question Id : 89951417345 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The number of _____ connected in series generates the required voltage.

1. modules
2. impeller
3. controller
4. none

Options :

89951467782. 1

89951467783. 2

89951467784. 3

89951467785. 4

Question Number : 48 Question Id : 89951417346 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The number of _____ connected in parallel generates the required current.

1. controller
2. impeller
3. modules
4. none

Options :

89951467786. 1
89951467787. 2
89951467788. 3
89951467789. 4

Question Number : 49 Question Id : 89951417347 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Mount the pump controller _____ a shelter or make a sheet-metal shade.

1. inside
2. outside
3. any where
4. none

Options :

89951467790. 1
89951467791. 2
89951467792. 3
89951467793. 4

Question Number : 50 Question Id : 89951417348 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Place the pump controller closer to the PV array to _____ DC cable losses.

1. increase
2. avoid any
3. enhance
4. none

Options :

89951467794. 1
89951467795. 2

89951467796. 3

89951467797. 4

Question Number : 51 Question Id : 89951417349 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The solar PV array should be installed on _____ so as to minimizes effects of shading.

1. rooftop
2. open area
3. both 1 and 2
4. none

Options :

89951467798. 1

89951467799. 2

89951467800. 3

89951467801. 4

Question Number : 52 Question Id : 89951417350 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Water demand is continuously _____ due to increase in population.

1. increasing
2. constant
3. decreasing
4. none

Options :

89951467802. 1

89951467803. 2

89951467804. 3

89951467805. 4

Question Number : 53 Question Id : 89951417351 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Daily sun tracking is an important part of the _____ to achieve maximum water yield from the pump.

1. operation
2. maintenance
3. safety
4. all

Options :

89951467806. 1
89951467807. 2
89951467808. 3
89951467809. 4

Question Number : 54 Question Id : 89951417352 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The dates of routine and preventative _____ should be indicated on the Log book.

1. operation
2. maintenance
3. safety
4. none

Options :

89951467810. 1
89951467811. 2
89951467812. 3
89951467813. 4

Question Number : 55 Question Id : 89951417353 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The path of the sun should be followed throughout the day from sunrise to sunset from _____.

1. west to east
2. north to south
3. east to west
4. south to north

Options :

89951467814. 1
89951467815. 2

89951467816. 3

89951467817. 4

Question Number : 56 Question Id : 89951417354 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A proper manual tracking arrangement can increase the output by _____.

1. 20%
2. 10%
3. 30%
4. none

Options :

89951467818. 1

89951467819. 2

89951467820. 3

89951467821. 4

Question Number : 57 Question Id : 89951417355 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Clean _____ surface by soft clean cloth and water.

1. pump
2. controller
3. solar panel
4. none

Options :

89951467822. 1

89951467823. 2

89951467824. 3

89951467825. 4

Question Number : 58 Question Id : 89951417356 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Replace the wire If the _____ is damaged.

1. pump
2. insulation
3. cell
4. none

Options :

89951467826. 1
89951467827. 2
89951467828. 3
89951467829. 4

Question Number : 59 Question Id : 89951417357 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Normally, pump leakage is _____ within the range of 2 to 60 drops per minute.

1. allowable
2. non allowable
3. not recommended
4. none

Options :

89951467830. 1
89951467831. 2
89951467832. 3
89951467833. 4

Question Number : 60 Question Id : 89951417358 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Electrical _____ of submersible pump have to be checked at least once in every six months.

1. current
2. connections
3. voltage
4. none.

Options :

89951467834. 1
89951467835. 2

89951467836. 3

89951467837. 4

Question Number : 61 Question Id : 89951417359 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

The water pump requires an electric _____.

1. motor
2. solar array
3. choke
4. none

Options :

89951467838. 1

89951467839. 2

89951467840. 3

89951467841. 4

Question Number : 62 Question Id : 89951417360 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

The DC motors with permanent magnet are more _____.

1. power consumption
2. efficient
3. inefficient
4. none

Options :

89951467842. 1

89951467843. 2

89951467844. 3

89951467845. 4

Question Number : 63 Question Id : 89951417361 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

DC motor pumping system is _____ expensive compared to the AC motors.

1. less
2. more
3. equal
4. none

Options :

89951467846. 1
89951467847. 2
89951467848. 3
89951467849. 4

Question Number : 64 Question Id : 89951417362 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Multistage pumps are used to lift water from _____ depth.

1. lower
2. surface
3. higher
4. none

Options :

89951467850. 1
89951467851. 2
89951467852. 3
89951467853. 4

Question Number : 65 Question Id : 89951417363 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Solar PV water pump is a _____ solution for irrigation.

1. reliable
2. unreliable
3. unsuitable
4. none

Options :

89951467854. 1
89951467855. 2

89951467856. 3

89951467857. 4

Question Number : 66 Question Id : 89951417364 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ of pumping of water by solar PV water pump on a particular day depend on the solar intensity, location, season, etc.

1. Actual quantity
2. Actual duration
3. Actual income
4. none.

Options :

89951467858. 1

89951467859. 2

89951467860. 3

89951467861. 4

Question Number : 67 Question Id : 89951417365 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Solar array consists of parallel and series combination of _____ photovoltaic (PV) module.

1. non-identical
2. identical
3. different
4. none

Options :

89951467862. 1

89951467863. 2

89951467864. 3

89951467865. 4

Question Number : 68 Question Id : 89951417366 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A tilted array will _____ more light than a vertical array.

1. reflect
2. receive
3. give
4. none

Options :

89951467866. 1
89951467867. 2
89951467868. 3
89951467869. 4

Question Number : 69 Question Id : 89951417367 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Operational cost of _____ operated pump is high.

1. diesel
2. solar PV
3. electrical
4. none.

Options :

89951467870. 1
89951467871. 2
89951467872. 3
89951467873. 4

Question Number : 70 Question Id : 89951417368 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Tracking can often double the daily _____.

1. solar yield
2. water yield
3. electric power
4. none

Options :

89951467874. 1
89951467875. 2

89951467876. 3

89951467877. 4

Question Number : 71 Question Id : 89951417369 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

The performance and life of the motor can be affected if it _____ run dry.

1. pump
2. controller
3. motor
4. none

Options :

89951467878. 1

89951467879. 2

89951467880. 3

89951467881. 4

Question Number : 72 Question Id : 89951417370 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Submersible pumps require _____ once a year or six months depending upon the site.

1. repairing
2. cleaning
3. replacement
4. none

Options :

89951467882. 1

89951467883. 2

89951467884. 3

89951467885. 4

Question Number : 73 Question Id : 89951417371 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Any damage noticed in _____ should be attended by replacing the cable.

1. motor
2. controller
3. electric cable
4. none

Options :

89951467886. 1

89951467887. 2

89951467888. 3

89951467889. 4

Question Number : 74 Question Id : 89951417372 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Sunlight is the _____ energy to the solar panels.

1. input
2. output
3. efficiency
4. none

Options :

89951467890. 1

89951467891. 2

89951467892. 3

89951467893. 4

Question Number : 75 Question Id : 89951417373 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Tracking helps in _____ of pump stalling.

1. add
2. increasing
3. prevention
4. none

Options :

89951467894. 1

89951467895. 2

89951467896. 3

89951467897. 4

Question Number : 76 Question Id : 89951417374 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

During strong thunderstorm or dust storm, change the angle to _____ degrees.

1. 0
2. 45
3. 90
4. any

Options :

89951467898. 1

89951467899. 2

89951467900. 3

89951467901. 4

Question Number : 77 Question Id : 89951417375 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Predictive maintenance focuses on tests and inspections that detect _____ conditions.

1. deteriorating
2. failing
3. warning
4. none

Options :

89951467902. 1

89951467903. 2

89951467904. 3

89951467905. 4

Question Number : 78 Question Id : 89951417376 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Proper lubrication and cleaning of pump is very important for smooth _____ of the pump.

1. stopping
2. running
3. ending
4. none

Options :

89951467906. 1
89951467907. 2
89951467908. 3
89951467909. 4

Question Number : 79 Question Id : 89951417377 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Clean the _____ with water, sponge or soft cloth.

1. motor
2. controller
3. panels
4. all

Options :

89951467910. 1
89951467911. 2
89951467912. 3
89951467913. 4

Question Number : 80 Question Id : 89951417378 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Preventive _____ activities not include coupling alignment, lubrication, seal maintenance and replacement.

1. maintenance
2. operation
3. safety
4. all

Options :

89951467914. 1

89951467915. 2

89951467916. 3

89951467917. 4

Question Number : 81 Question Id : 89951417379 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

If the _____ of solar PV panel is broken, there is a need to replace the solar PV panel.

1. cell
2. cable
3. glass
4. none

Options :

89951467918. 1

89951467919. 2

89951467920. 3

89951467921. 4

Question Number : 82 Question Id : 89951417380 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Solar _____ are installed at on rooftop or open space.

1. controller
2. panel
3. pump casing
4. all

Options :

89951467922. 1

89951467923. 2

89951467924. 3

89951467925. 4

Question Number : 83 Question Id : 89951417381 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Mechanical seals must be replaced to prevent _____ leakages.

1. excessive
2. significant
3. small
4. none

Options :

89951467926. 1
89951467927. 2
89951467928. 3
89951467929. 4

Question Number : 84 Question Id : 89951417382 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Clean solar panel only during _____.

1. midday
2. early morning
3. late evening
4. both 2 and 3

Options :

89951467930. 1
89951467931. 2
89951467932. 3
89951467933. 4

Question Number : 85 Question Id : 89951417383 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

To clean the solar panel _____ can be splashed on the front-side.

1. oil
2. water
3. both oil and water
4. none

Options :

89951467934. 1
89951467935. 2

89951467936. 3

89951467937. 4

Question Number : 86 Question Id : 89951417384 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The human body acts like a resistor and allows _____ to pass.

1. current
2. voltage
3. resistance
4. none

Options :

89951467938. 1

89951467939. 2

89951467940. 3

89951467941. 4

Question Number : 87 Question Id : 89951417385 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Do not touch conductive part by _____ hand.

1. dry
2. wet
3. normal
4. none

Options :

89951467942. 1

89951467943. 2

89951467944. 3

89951467945. 4

Question Number : 88 Question Id : 89951417386 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Tracking generates more electricity because _____ exposure to solar rays.

1. direct
2. indirect
3. normal
4. none

Options :

89951467946. 1

89951467947. 2

89951467948. 3

89951467949. 4

Question Number : 89 Question Id : 89951417387 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In conventional AC motors capacitors are used to compensate the _____ factor.

1. current
2. voltage
3. power
4. none

Options :

89951467950. 1

89951467951. 2

89951467952. 3

89951467953. 4

Question Number : 90 Question Id : 89951417388 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is caused by short circuit.

1. Electric spark
2. Pump work
3. Green park
4. none

Options :

89951467954. 1

89951467955. 2

89951467956. 3

89951467957. 4

Question Number : 91 Question Id : 89951417389 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In _____ method of irrigation crops are grown on ridges.

1. sprinkler
2. drip
3. furrow
4. all

Options :

89951467958. 1
89951467959. 2
89951467960. 3
89951467961. 4

Question Number : 92 Question Id : 89951417390 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Never wear loose _____ while working with PV system.

1. clothes
2. slippery footwear
3. clothes or slippery footwear
4. none

Options :

89951467962. 1
89951467963. 2
89951467964. 3
89951467965. 4

Question Number : 93 Question Id : 89951417391 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Do not take short cuts, _____ follow the rules.

1. sometime
2. always
3. never
4. none

Options :

89951467966. 1
89951467967. 2
89951467968. 3
89951467969. 4

Question Number : 94 Question Id : 89951417392 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ of the module will be rise with the increase in ambient temperature and riddance.

1. Temperature
2. RH
3. Pressure
4. all

Options :

89951467970. 1
89951467971. 2
89951467972. 3
89951467973. 4

Question Number : 95 Question Id : 89951417393 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The array should be moved slow, when changing its _____.

1. site
2. position
3. installation
4. none

Options :

89951467974. 1
89951467975. 2

89951467976. 3

89951467977. 4

Question Number : 96 Question Id : 89951417394 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Safety can be defined as _____ the recognized hazard.

1. monitoring
2. secure
3. controlling
4. all

Options :

89951467978. 1

89951467979. 2

89951467980. 3

89951467981. 4

Question Number : 97 Question Id : 89951417395 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The amount of current that will flow is determined by _____ and resistance.

1. capacitor
2. voltage
3. transistor
4. all

Options :

89951467982. 1

89951467983. 2

89951467984. 3

89951467985. 4

Question Number : 98 Question Id : 89951417396 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

There are various _____ involved when working with solar PV system.

1. risks
2. security
3. safety
4. none

Options :

89951467986. 1
89951467987. 2
89951467988. 3
89951467989. 4

Question Number : 99 Question Id : 89951417397 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Short circuit of battery is _____ hazard.

1. simple
2. extreme
3. normal
4. none

Options :

89951467990. 1
89951467991. 2
89951467992. 3
89951467993. 4

Question Number : 100 Question Id : 89951417398 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Solar PV technology is classified based on its _____.

1. working
2. size
3. manufacturing technology
4. none

Options :

89951467994. 1
89951467995. 2
89951467996. 3

89951467997.4