

National Testing Agency

Question Paper Name: Awareness Programme on Solar Water Pumping System 10th November 2019 Shift 2
Subject Name: Awareness Programme on Solar Water Pumping System
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Awareness Programme on Solar Water Pumping System

Group Number : 1
Group Id : 709597324
Group Maximum Duration : 0
Group Minimum Duration : 120
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 100

Awareness Programme on Solar Water Pumping System

Section Id : 709597413
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 100
Number of Questions to be attempted: 100
Section Marks: 100
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 709597517
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 70959729597 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In Photovoltaic (PV) Technology, normally _____ is used.

- (1) Organic silicon (3) Crystalline silicon
(2) Polymer silicon (4) None of them

Question Number : 2 Question Id : 70959729598 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) Pump controller
- (2) PV Module
- (3) Water pump
- (4) All

Question Number : 3 Question Id : 70959729599 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The current flows from _____ terminals of the Solar PV Module.

- (1) positive (+) to negative (-)
- (2) negative (-) to negative (-)
- (3) negative (-) to positive (+)
- (4) positive (+) to positive (+)

Question Number : 4 Question Id : 70959729600 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Direct solar energy is used for

- (1) Water heating
- (2) Drying
- (3) Distillation
- (4) All

Question Number : 5 Question Id : 70959729601 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In drip irrigation, water application efficiency is _____

- (1) Less than 30%
- (2) 50%
- (3) Around 90%
- (4) 80%

Question Number : 6 Question Id : 70959729602 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following energy is mainly responsible for sustaining life on the earth?

- (1) Solar energy
- (2) Wind Energy
- (3) Thermal energy
- (4) Hydro-electrical energy

Question Number : 7 Question Id : 70959729603 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) Same
- (2) Less
- (3) High
- (4) None of them

Question Number : 8 Question Id : 70959729604 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In developing countries, _____ and _____ are used to carry out agricultural operations.

- (1) Grid-based electricity, Diesel (3) Diesel and petrol
(2) Petrol, gasoline (4) None of them

Question Number : 9 Question Id : 70959729605 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) 100 days (3) 200 days
(2) 300 days (4) None of them

Question Number : 10 Question Id : 70959729606 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Solar energy absorbed by the land and oceans is approximately _____ %.

- (1) 100 (3) 51
(2) 30 (4) 40

Question Number : 11 Question Id : 70959729607 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) Modules (3) Cell
(2) Panel (4) None of them

Question Number : 12 Question Id : 70959729608 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Capex (capital expense) cost of solar PV technology is _____.

- (1) High (3) Medium
(2) Low (4) None of them

Question Number : 13 Question Id : 70959729609 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Solar Energy is _____ .

- (1) Clean
- (2) Eco-friendly
- (3) Green
- (4) All

Question Number : 14 Question Id : 70959729610 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Solar Energy is _____.

- (1) Non-polluting
- (2) High fuel cost
- (3) Polluting
- (4) None of them

Question Number : 15 Question Id : 70959729611 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The source of energy for solar cookers is

- (1) Electrical energy
- (2) Thermal energy
- (3) Solar energy
- (4) All

Question Number : 16 Question Id : 70959729612 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What functions solar cooker performs?

- (1) Concentrate sunlight
- (2) Trap heat
- (3) Convert light to heat
- (4) All

Question Number : 17 Question Id : 70959729613 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Solar PV water pump normally requires a _____ motor.

- (1) AC
- (2) DC
- (3) Induction
- (4) None of them

Question Number : 18 Question Id : 70959729614 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Solar powered water pump decreases the input cost up to _____.

- (1) 10%
- (2) 25%
- (c) 50%
- (4) 75%

Question Number : 19 Question Id : 70959729615 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Power aeration pumps are used in commercial _____.

- (1) Fish and shrimp farms (3) Agriculture
(2) Industry (4) None of them

Question Number : 20 Question Id : 70959729616 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Power aeration pump helps in increasing _____ levels.

- (1) CO₂ (3) SO₂
(2) Oxygen (4) None of them

Question Number : 21 Question Id : 70959729617 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

For small applications, aeration pumps can be an _____ solution.

- (1) Economical (3) Non-viable
(2) Uneconomical (4) None

Question Number : 22 Question Id : 70959729618 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Irrigation of agricultural lands account for about _____ % of the fresh water use.

- (1) 70 (3) 50
(2) 40 (4) None of them

Question Number : 23 Question Id : 70959729619 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) 70 (3) 50
(2) 40 (4) 90

Question Number : 24 Question Id : 70959729620 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Water moves almost unguided and reaches different parts of the field non-uniformly in _____ irrigation.

- (1) Flood
- (2) Drip
- (3) Furrow
- (4) Sprinkler

Question Number : 25 Question Id : 70959729621 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ method of irrigation is used for crops grown on ridges and furrows.

- (1) Basin
- (2) Furrows
- (3) Furrow
- (4) Sprinkler

Question Number : 26 Question Id : 70959729622 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ is a change in the latitude of any portion of the earth's surface.

- (1) Latitude
- (2) Longitude
- (3) Earth's tilt
- (4) None

Question Number : 27 Question Id : 70959729623 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The irrigation efficiency in drip irrigation method is around _____ %.

- (a) 70
- (2) 40
- (3) 50
- (4) 90

Question Number : 28 Question Id : 70959729624 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) Desalination
- (2) Deionization
- (3) Demineralization
- (4) None of them

Question Number : 29 Question Id : 70959729625 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The sprinkler irrigation method is not suitable for areas having _____ .

- (1) High relative humidity
- (2) High wind velocity
- (3) Low wind velocity
- (4) All of them

Question Number : 30 Question Id : 70959729626 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

An angle with reference to the _____ is known as Longitude.

- (1) North pole
- (2) Prime meridian
- (3) South Pole
- (4) None of them

Question Number : 31 Question Id : 70959729627 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A Solar cell is a _____ junction semiconductor device.

- (1) c-d
- (2) a-b
- (3) p-n
- (4) None of them

Question Number : 32 Question Id : 70959729628 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In present-day technology, a solar cell of _____ inches can generate power up to 5 watts.

- (1) 15
- (2) 6
- (3) 10
- (4) None of them

Question Number : 33 Question Id : 70959729629 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Centrifugal pumps can be used for higher discharge at _____.

- (1) Medium heads
- (2) Low heads
- (3) Higher heads
- (4) None of them

Question Number : 34 Question Id : 70959729630 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Submersible pumps do not require _____ .

- (1) Priming
- (2) Standardization
- (3) Calibration
- (4) None of them

Question Number : 35 Question Id : 70959729631 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT a type of positive displacement pumps?

- (1) Reciprocating pump (3) Centrifugal pump
(2) Hand pump (4) None of them

Question Number : 36 Question Id : 70959729632 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A solar photovoltaic array generates _____ from the sun's radiation.

- (1) Direct Current (3) Alternating Current
(2) Grid electricity (4) None of them

Question Number : 37 Question Id : 70959729633 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

DC (direct current) water pump in generally use _____ the energy of
conventional AC (alternating current) pumps.

- (1) One-third (3) One-third to one-half
(2) Two-third to one-half (4) None of them

Question Number : 38 Question Id : 70959729634 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The water pumps are used for_____.

- (1) Domestic water supply (3) Irrigation
(2) Industrial (4) All of them

Question Number : 39 Question Id : 70959729635 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In the _____ Hemisphere, north is the best possible orientation.

- (1) Southern (3) Eastern
(2) Northern (4) Western

Question Number : 40 Question Id : 70959729636 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A simple solar photovoltaic array consists of a designated number of PV modules of _____ wattages.

- (1) Same
- (2) Varying
- (3) Different
- (4) None of them

Question Number : 41 Question Id : 70959729637 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The solar PV Water Pumping System uses motor and a pump which are different from that of the _____ 50 Hz AC motor and pump.

- (1) Unconventional
- (2) Untraditional
- (3) Conventional
- (4) None of them

Question Number : 42 Question Id : 70959729638 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) Varying
- (2) Constant
- (3) Higher
- (4) Lower

Question Number : 43 Question Id : 70959729639 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Flow rate varies with a change in pressure in _____.

- (1) Centrifugal Pumps
- (2) Submersible pumps
- (3) Positive Displacement Pumps
- (4) None of them

Question Number : 44 Question Id : 70959729640 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) Impeller
- (2) Motor
- (3) Rotor
- (4) None of them

Question Number : 45 Question Id : 70959729641 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) 6
- (2) 10
- (3) 20
- (4) 15

Question Number : 46 Question Id : 70959729642 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ operated water pumps emit large amount of Carbon dioxide gas.

- (1) Gasoline
- (2) Petrol
- (3) Diesel
- (4) None of them

Question Number : 47 Question Id : 70959729643 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) Modules
- (2) Controller
- (3) Both of them
- (4) None of them

Question Number : 48 Question Id : 70959729644 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pump controller is an _____ device.

- (2) Mechanical
- (2) Electrical
- (3) Electronic
- (4) None of them

Question Number : 49 Question Id : 70959729645 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) Pump controller
- (2) PV Array
- (3) Motor
- (4) None of them

Question Number : 50 Question Id : 70959729646 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Place the pump controller closer to the _____ to avoid any DC cable losses.

- (1) Pump controller
- (2) PV Array
- (3) Motor
- (4) None of them

Question Number : 51 Question Id : 70959729647 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) Minimise
- (2) Maximise
- (3) Maintained
- (4) None of them

Question Number : 52 Question Id : 70959729648 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Operational cost of Solar PV water pumping system is _____.

- (1) High
- (2) Moderate
- (3) Very low
- (4) None of them

Question Number : 53 Question Id : 70959729649 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Operation refers to _____ working (operating) of the components of a solar PV water pumping system.

- (1) Daily
- (2) Monthly
- (3) Fortnightly
- (4) Yearly

Question Number : 54 Question Id : 70959729650 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The dates of routine and preventative maintenance are indicated on the _____.

- (1) Normal note book
- (2) Log book
- (3) paper
- (4) All of them

Question Number : 55 Question Id : 70959729651 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

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) None of them

Question Number : 56 Question Id : 70959729652 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) 20% (3) 30%
(2) 10% (4) None

Question Number : 57 Question Id : 70959729653 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Clean _____ surface by soft clean cloth and water.

- (1) Pump (3) Motor
(2) Solar panel (4) None of them

Question Number : 58 Question Id : 70959729654 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ the wire if the insulation is damaged.

- (1) Do not replace (3) Fix
(2) Replace (4) None of the above

Question Number : 59 Question Id : 70959729655 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Normally, pump leakage is allowed within the range of _____ drops per minute.

- (1) 2 to 60 (3) 20 to 120
(2) 10 to 100 (4) 10 to 50

Question Number : 60 Question Id : 70959729656 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) Two (3) Four
(2) Six (4) None of them

Question Number : 61 Question Id : 70959729657 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The water pump does not requires an electric motor.

- 1) True (2) False

Question Number : 62 Question Id : 70959729658 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The DC motor with permanent magnet are more efficient.

- 1) True (2) False

Question Number : 63 Question Id : 70959729659 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- 1) True (2) False

Question Number : 64 Question Id : 70959729660 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Multistage pumps are used to lift water from higher depth.

- 1) True (2) False

Question Number : 65 Question Id : 70959729661 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Solar PV water pump is a reliable solution for irrigation.

- (1) True (2) False

Question Number : 66 Question Id : 70959729662 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The actual duration of pumping of water by solar PV water pump on a particular day does not depend on the solar intensity, location, season, etc.

- (1) True (2) False

Question Number : 67 Question Id : 70959729663 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Solar array consists of parallel and series combination of non-identical photovoltaic (PV) module.

- (1) True (2) False

Question Number : 68 Question Id : 70959729664 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A tilted array will receive less light than a vertical array.

- 1) True (2) False

Question Number : 69 Question Id : 70959729665 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Operational cost of diesel operated pump is high.

(1) True

(2) False

Question Number : 70 Question Id : 70959729666 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Power aeration pump helps in increasing SO₂ levels.

(1) True

(2) False

Question Number : 71 Question Id : 70959729667 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The performance and life of the motor cannot be affected if it pumps run dry.

(1) True

(2) False

Question Number : 72 Question Id : 70959729668 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Surface pumps require routine maintenance.

(1) True

(2) False

Question Number : 73 Question Id : 70959729669 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cleaning of solar PV modules to increases the power output.

(1) True

(2) False

Question Number : 74 Question Id : 70959729670 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Sunlight is the output energy to the solar panels.

(1) True

(2) False

Question Number : 75 Question Id : 70959729671 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Tracking helps in prevention of pump stalling.

(1) True

(2) False

Question Number : 76 Question Id : 70959729672 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

During strong thunderstorm or dust storm, change the angle to 0 degrees.

- (1) True (2) False

Question Number : 77 Question Id : 70959729673 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) True (2) False

Question Number : 78 Question Id : 70959729674 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) True (2) False

Question Number : 79 Question Id : 70959729675 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Clean the panels with water, sponge or soft cloth.

- (1) True (2) False

Question Number : 80 Question Id : 70959729676 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) True (2) False

Question Number : 81 Question Id : 70959729677 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

There is no need to replace the broken solar PV panel.

- (1) True (2) False

Question Number : 82 Question Id : 70959729678 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Solar panels are installed on rooftop or open space.

- (1) True (2) False

Question Number : 83 Question Id : 70959729679 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Mechanical seals must be replaced to prevent excessive leakages.

- (1) True (2) False

Question Number : 84 Question Id : 70959729680 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Clean solar panel only during midday.

- (1) True (2) False

Question Number : 85 Question Id : 70959729681 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Water on the solar panel can be splashed from the back-side.

- (1) True (2) False

Question Number : 86 Question Id : 70959729682 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- (1) True (2) False

Question Number : 87 Question Id : 70959729683 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Do not touch conductive part by wet hand.

- (1) True (2) False

Question Number : 88 Question Id : 70959729684 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Tracking generates more electricity because of direct exposure to solar rays.

- (1) True (2) False

Question Number : 89 Question Id : 70959729685 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In conventional AC motor, capacitors are used to compensate the power factor.

- (1) True (2) False

Question Number : 90 Question Id : 70959729686 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The array should be moved fast, when changing its position.

- (1) True (2) False

Question Number : 91 Question Id : 70959729687 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In furrow method of irrigation, crops are grown on ridges.

- (1) True (2) False

Question Number : 92 Question Id : 70959729688 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Generally, Direct Current (DC) is used for domestic purposes.

- (1) True (2) False

Question Number : 93 Question Id : 70959729689 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Maximum power generated from the array during noon (midday) resulting in minimum flow from the pump.

- (1) True (2) False

Question Number : 94 Question Id : 70959729690 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The temperature of the module will rise with the increase in ambient temperature.

- (1) True (2) False

Question Number : 95 Question Id : 70959729691 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The sprinkler irrigation is a method in which water is applied and distributed to the field in the form of spray.

- (1) True (2) False

Question Number : 96 Question Id : 70959729692 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Drip Irrigation is also known as trickle irrigation.

- (1) True (2) False

Question Number : 97 Question Id : 70959729693 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The skilled manpower is required to maintain the drip irrigation system.

- (1) True (2) False

**Question Number : 98 Question Id : 70959729694 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

The solar energy is not a renewable source of energy.

- (1) True (2) False

**Question Number : 99 Question Id : 70959729695 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

In drip irrigation water is applied at high pressure.

- (1) True (2) False

**Question Number : 100 Question Id : 70959729696 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 1 Wrong Marks : 0

Solar power has high initial costs but low operating costs.

- (1) True (2) False