Answer: (B)Islanding

(B) Islanding

(C) Short circuit

Wear and tear

Voc is the abbreviation for?
Answer:
(A Open circuit voltage
For a photovoltaic system the abbreviation for short circuit current is?
Answer: (C) Isc
(C) 13C
How many pv strings can be connected in series before the installation of string fuses would be required?
Answer: (B)Three
· ,
Six panels with an Isc for each panel of 3.9A are connected in series. The measured irradiance is 680w, calculate the expected measured Isc
Answer: (D)2.68A

(C) 23.4A

) schedule of inspection.

(A An electrical installation certificate, a schedule of test results and a

2.68A

(A) a schedule of test results and a

schedule of inspection.

(B)	A Minor works certificate	
(C)	An electrical installation certificate only	
(D)	An electrical installation report, a schedule of test results and a schedule of inspections	
13		Name two types of solar thermal collectors.
(A)	Evacuated cube and flat tube collector	
(B)	Flat plate and hot plate collectors	Answer:
(C)	Evacuated tube and filled tube collectors	(D Evacuated tube and flat plate collector
(D)	Evacuated tube and flat plate collector	
		The installation of pv or solar thermal systems will not normally
14		require planning permission unless?
(A)	They are on the front of a building	
(B)	The building is in a conservation area, a listed building or it is on a heritage site.	Answer: (B The building is in a conservation area, a listed building or it is on a
(C)	They are installed in the back garden) heritage site.
(D)	They are installed by an MCS registered installer	
15		An active solar thermal system will be one which has a?
(A)	Flat plate collector	
(B)	Large storage cylinder	Answer
(C)		Answer:
	Pump	(C)Pump
(D)	Pump Evacuated tube collector	(C)Pump

achieved by using?

(٨)	Lagging	
(B)	Frost stat	Answer:
(C)	A mixture of glycol and water	(C A mixture of glycol and water
(D)	Anti freeze spray	
17		The ratio of glycol to water can be measured by using a?
(A)	Refractometer	
(B)	Thermometer	Answer:
(C)	Glycometor	(A Refractometer
(D)	Anemometer	
18		The piece of equipment used to control a solar thermal system is known as a ?
(A)	Digital temperature controller	
	Digital temperature controller Differential temperature controller	Δnswer·
(B)		Answer: (B Differential temperature controller)
(B)	Differential temperature controller	
(B)	Differential temperature controller Differential temperature contraption	
(B)	Differential temperature controller Differential temperature contraption	
(B) (C) (D)	Differential temperature controller Differential temperature contraption	(B Differential temperature controller) Which disease is it essential to eliminate within a solar thermal
(B) (C) (D) 19	Differential temperature controller Differential temperature contraption Direct temperature control	(B Differential temperature controller) Which disease is it essential to eliminate within a solar thermal system. Answer:
(B) (C) (D) 19 (A) (B)	Differential temperature controller Differential temperature contraption Direct temperature control Legionnaires disease	(B Differential temperature controller) Which disease is it essential to eliminate within a solar thermal system.
(B) (C) (D) 19 (A) (B)	Differential temperature controller Differential temperature contraption Direct temperature control Legionnaires disease Athletes foot	(B Differential temperature controller) Which disease is it essential to eliminate within a solar thermal system. Answer:

(A)	Either	
(B)	Both	Answer: (D The lowest one
(C)	The top one	
(D)	The lowest one	
21		The solar thermal system which has no water in the collector when the system is at rest is known as a?
(A)	Empty system	
(B)	Drain back system	Answer:
(C)	Active system	(B Drain back system
(D)	Passive system	
22		In a sealed system what is the name of the piece of equipment which is used to deal with the additional pressure produced when the collector fluid heats up
(A)	Heat protection vessel	
(B)	Overflow vessel	Answer: (C An expansion vessel
(C)	An expansion vessel	
(D)	Pressure gauge	

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Where a twin coil cylinder is used to store hot water, which coil should be connected to the solar panel?