

Started on	Sunday, 25 February 2024, 12:16 AM
	Finished
	Sunday, 25 February 2024, 12:22 AM
	5 mins 50 secs
	15.00 out of 15.00 (100 %)
Ordao	10.00 Cat of 10.00 (100 t)
Question 1	
Correct	
Mark 1.00 out of 1.00	
	grates several types of power sources, (wind-turbines, hydro, photovoltaics, and batteries) to give a ver supply is termed as?
a. Micro Grid	
b. Traditiona	
c. Macro Grid	
d. Virtual Por	wer Plant ✔
Mark 1.00 out of 1.00	dicates an IP address in the 169.254.x.x block, it means that
	, the DNS server isn't working
	, a virus blocks the Internet access
	, the DHCP server isn't working ✓
	, the Internet provider disabled the Internet
Question 3	
Correct	
Mark 1.00 out of 1.00	
Select three wirele	ss technologies from the list below.
🗹 a. Satellite 🗸	
b. Fiber Option	
c. Cognitive	Radio ✔
☑ d. Cellular ✔	
e. Powerline	Communication

Question 4
Correct
Mark 1.00 out of 1.00
What is Raspberry Pi?
O a la ia alaa Andriina ahiald
oa. It is the Arduino shield
 b. It is a series of credit card-sized single-board computers developed in Wales, United Kingdom by the Raspberry Pi Foundation with the intention of promoting the teaching of basic computer science in schools and developing
countries
○ c. It is an IoT protocol
d. It is a software app for Arduino IDE
Question 5
Correct
Mark 1.00 out of 1.00
You need to identify the moving people. What sensor will you use?
○ a. Tilt sensor
b. Passive Infrared sensor ✓
○ c. Light sensor
○ d. Light-emitting diode
Question 6
Correct
Mark 1.00 out of 1.00
Is the demand management part of Smart Grids?
To the definant management part of email of the
Select one:
True ✓
○ False
Question 7
Correct
Mark 1.00 out of 1.00
A localized grouping of electricity generations, energy storages, and loads is termed as?
O a Traditional Crid
○ b. Macro Grid
A localized grouping of electricity generations, energy storages, and loads is termed as? a. Traditional Grid

Question 8 Correct			
Mark 1.00 out of 1.00			
Who are	e the main stakeholders in Smart Grid? Select four answers you think are correct.		
a.	Political Parties		
✓ b.	Policy Makers ✓		
✓ C.	Workforce ✓		
✓ d.	Environmental Groups ✓		
_ e.	Ministry of Education		
✓ f.	Consumers ✓		
Question 9			
Correct			
Mark 1.00 d	out of 1.00		
What is	a virtual power plant (VPP)?		
) a.	It is the network of physical objects or "things" embedded with electronics, software, sensors, and connectivity to enable objects to exchange data with the production, operator, and/or other connected devices based on the infrastructure of the International Telecommunication Union's Global Standards Initiative		
O b.	It is a software development methodology, which is intended to improve software quality and responsiveness to changing customer requirements. As a type of agile software development, it advocates frequent "releases" in short development cycles, which is intended to improve productivity and introduce checkpoints where new customer requirements can be adopted.		
C.	It is a system that integrates several types of power sources, (such as solar panels, wind-turbines, small hydro, biogas, batteries, etc.) so as to give a reliable overall power supply.		
o d.	It is a cross-platform application written in Java		
Question 1	0		
Correct Mark 1.00 d	out of 1.00		
How to	manage demand on a smart grid network? Select three answers you think are correct.		
 a	Shifting demand to another time or day ✓		
	Use excessive energy		
□ D.✓ C.			
	Rescheduling usage ✓		
u.	resolicadiing deage ▼		

Question 1	1
Correct	
Mark 1.00 c	out of 1.00
You nee	ed to identify the subnet mask for the network addresses. What standard program/command will you use?
○ a.	nbtstat
O b.	nslookup
c.	ipconfig ✓
O d.	arp
Question 1	2
Correct	
Mark 1.00 c	out of 1.00
Select 3	3 approaches for demand management from the list below.
✓ a.	Set prices based on time and level of use ✓
□ b.	Set the prices very low so everyone can afford low power
✓ C.	
☑ d.	Optimize buildings energy consumption using control algorithms ✓
Correct Mark 1.00 c	out of 1.00
Sensors	s can be used for the following purposes in Smart Grids:
○ a.	Diagnose imminent as well as permanent faults
	Real-time mechanical and electrical conditions of power lines
	Detect mechanical failures, tower collapses, extreme mechanical conditions
	All answers are correct ✓
Question 1 Correct	4
Mark 1.00 c	out of 1.00
You nee	ed to identify the default gateway for the local network. What standard program/command will you use?
○ a.	arp
	nbtstat
c.	ipconfig ✓
	nslookup
Ų.	

Question 1	5		
Correct			
Mark 1.00 d	Mark 1.00 out of 1.00		
What is	the Google Sunroof Project?		
○ a.	It is a software development methodology, which is intended to improve software quality and responsiveness to changing customer requirements. As a type of agile software development, it advocates frequent "releases" in short development cycles, which is intended to improve productivity and introduce checkpoints where new customer requirements can be adopted.		
O b.	It is a system that integrates several types of power sources, (such as solar panels, wind-turbines, small hydro, biogas, batteries, etc.) so as to give a reliable overall power supply		
O c.	It is a series of credit card-sized single-board computers developed in Wales, United Kingdom by the Raspberry Pi Foundation with the intention of promoting the teaching of basic computer science in schools and developing countries		
d.	It is a solar power initiative started by Google engineer Carl Elkin. The initiative's stated purpose is "mapping the planet's solar potential, one roof at a time."		