

Society for Promotion of Vocational & Technical Education [SOVTECH]

Recruitment for the Post of BMS Administrator (SDC)

Date of Examination: 29/08/2024

Exam Time: 03:00 PM - 03:30 PM

Exam Slot: A3

ANSWER KEY

#	Question	Answer Key	Remarks
1	Select the correct UPS output specifications. A. 40W B. 20 microfarad C. 100A D. Regulation + or – 3%	D	
2	If a DG set lacks power, the probable cause may be A. Pump may inject insufficient quantity of fuel B. Poor quality of fuel C. Dirty cooling system D. All of the above	D	
3	Which one of the following requires a battery? A. Step-up chopper B. Stabilizer C. Step down chopper D. UPS	D	
4	Which refrigeration cycle is utilized in room AC? A. Ice B. Steam jet C. Vapour absorbing D. Vapour compression	D	
5	What is the primary purpose of a data center's access control system? A. To manage network traffic B. To ensure only authorized personnel can enter the facility C. To prevent data breaches through encryption D. To provide backup power supplies	B	
6	Aallows for easy and quick creation of temporary electronic circuits A. Printed Circuit Board B. Bread Board C. Panel Board D. None of the above	B	
7	The power system is subjected to a fault which makes the zero sequence component of current equal to zero. The nature of fault is A. Double line to ground fault B. Double line fault C. Line to ground fault D. Three phase to ground fault	B	

8	<p>What feature of a smart rack provides real-time monitoring and alerts about potential issues?</p> <p>A. Rack-mounted servers B. Integrated management software C. Airflow management panels D. Cable management systems</p>	B	
9	<p>Which one of the following is a measure of purity of the power output of a power supply?</p> <p>A. Rectification B. Regulation C. Ripple factor D. Knee voltage</p>	C	
10	<p>Rodent repellent systems can be used in</p> <p>A. Data centers B. Homes C. Cars D. All of the above</p>	D	
11	<p>What is the function of relays in UPS?</p> <p>A. Voltage increase B. Voltage decrease C. Electrically operate switch D. Current Decrease</p>	C	
12	<p>GSM stands for</p> <p>A. Global System for Mobile Communications B. Global System for Microwave communications C. Global Synchronization for Mobile Communications D. Global Synchronization for Microwave Communications</p>	A	
13	<p>Which type of power supply is mandatory for a life support system></p> <p>A. PDMS B. UPS C. Stabilizer D. RPS</p>	B	
14	<p>In split Ac the indoor unit comprises of</p> <p>A. Evaporator and blower B. Evaporator coil, blower and capillary tube C. Evaporator coil, blower and motor ,air filter, control panel, supply and return air grills D. Evaporator coil, air filters, control panel, supply and return air grills, capillary tube</p>	C	
15	<p>Which protocol or standard is commonly used for monitoring and managing smart racks?</p> <p>A. Hypertext Transfer Protocol (HTTP) B. Internet Control Message Protocol (ICMP) C. Dynamic Host Configuration Protocol (DHCP) D. Simple Network Management Protocol (SNMP)</p>	D	

16	<p>What will be the backup time of a UPS if it is backed by 150Ah,12 V battery driving a load of 150W?</p> <p>A. 14h B. 10h C. 16h D. 12h</p>	D	
17	<p>Input ripple of SMPS is</p> <p>A. High B. Nil C. Very low D. Low</p>	A	
18	<p>The exciter in a DG set is</p> <p>A. Shunt generator B. Compound generator C. Either of a or b D. None of the above.</p>	A	
19	<p>In a multi-factor authentication system for data center access, which of the following is considered a "something you have" factor?</p> <p>A. A password B. A fingerprint C. An access card D. A voice recognition</p>	C	
20	<p>"Pixel" is the basic unit of</p> <p>A. Size of a computer display or in a computer image B. Programmable color on a computer display or in a computer image C. Color brightness and shining of an image D. None of these</p>	B	
21	<p>Which feature of smart racks can help prevent overheating of server hardware?</p> <p>A. High-speed network interfaces B. Data encryption C. Automated cooling adjustments D. Redundant power supplies</p>	C	
22	<p>What is the purpose of logging and monitoring in a data center access control system?</p> <p>A. To ensure compliance with environmental regulations B. To track and review access events for security purposes C. To optimize the performance of data center equipment D. To manage power usage and cooling efficiency</p>	B	
23	<p>If the armature of DG set overheats, the probable cause may be</p> <p>A. Overloading B. Internal short circuit C. Both a &b D. None of the above</p>	C	
24	<p>What is the ambient temperature for the rated capacity of a UPS battery?</p> <p>A.25 Degree centigrade B. 25 Degree Faranheit C.10 Degree Centigrade D. 10 Degree Faranheit</p>	A	

25	<p>Lens is a</p> <ul style="list-style-type: none"> A. Thermo optical equipment B. Optical equipment C. Semi optical equipment D. None of these 	B	
26	<p>Rodent repellent systems in data centers are important because rodents can cause:</p> <ul style="list-style-type: none"> A. Increased software bugs B. Physical damage to cables and hardware C. Overheating of servers D. Data loss through encryption breaches 	B	
27	<p>Which of the following is a common method for controlling physical access to a data center?</p> <ul style="list-style-type: none"> A. Biometric scanners B. Virtual private networks (VPNs) C. Firewalls D. Intrusion Detection Systems (IDS) 	A	
28	<p>Water level detection systems can be designed with</p> <ul style="list-style-type: none"> A. Wired system only B. Wireless system only C. Both a and b D. None of the above 	C	
29	<p>Which cable is not used in installation of CCTV system?</p> <ul style="list-style-type: none"> A. RG-01 B. RG-06 C. RG-11 D. None of these 	A	
30	<p>Which one is used for smoothing out and filter fluctuations in voltage in UPS?</p> <ul style="list-style-type: none"> A. Battery B. Relay C. Electrolytic capacitor D. Fans 	C	

Signature of Controller of Examination