

Latest Version: 7.0

Question: 1

The path on which signal types travel is called _____.

Response:

- A. Signal transfer route
- B. Signal flow
- C. Audio and video control
- D. Wires and cables

Answer: B

Question: 2

Which of the following might be beneficial acoustically?

Response:

- A. Use of absorptive and diffusive surfaces to better manage reflected energy
- B. Use of a sound absorbing roll down screen for projection
- C. Use of granite or floor tile instead of marble floors
- D. Using curved walls, domed ceilings and large glass walls to contain acoustic energy

Answer: A

Question: 3

How does the AV team use information about any identified constraints to the AV design and installation tasks?

Response:

- A. To select alternative AV system components that are not affected by the identified constraints
- B. To eliminate specific tasks that may be adversely impacted by constraints
- C. To develop a work-around plan when these constraints will affect the design or installation tasks
- D. To inform the client that these constraints must be removed prior to installation tasks

Answer: C

Question: 4

How does the AV manager maintain good relationships with suppliers and vendors?

Response:

- A. Document all transactions, resolve concerns in a professional manner
- B. Keep a large surplus of inventory and return unused stock frequently
- C. Document all contacts by using email, stress personal contacts by phone
- D. By always contacting the highest level person to resolve disputes

Answer: A

Question: 5

When pulling cable in conduit, junction boxes are installed at the ends of conduit runs while pull boxes are:

Response:

- A. Required after 50 feet (15 meters) or after 90 degrees of bend
- B. Only required at the beginning of a conduit run
- C. Specified every 100 feet (30 meters) or after 180 degrees of bend
- D. Not required by most electrical codes

Answer: C

Question: 6

Troubleshooting a network involves:

Response:

- A. A complete shutdown of all users and applications
- B. Routing suspect traffic by using a 169.254.1.1 address
- C. Establishing symptoms, identifying affected areas, establishing what has changed, identifying the probable cause
- D. Complete cooperation from end users

Answer: C

Question: 7

To maximize the quality of projected images in a presentation, the AV technician should ensure that there is minimal

Response:

- A. color temperature imbalance between the projected image and the ambient light
- B. HDCP fallout
- C. other media used in the room except the projected image
- D. ambient light in the display environment

Answer: D

Question: 8

A 4 × 2 matrix switcher _____.

Response:

- A. Can connect any of four inputs to any or both of two outputs
- B. Has effectively eight outputs
- C. Can connect any of two inputs to any or both of four outputs
- D. Must have only one output connected at any given time

Answer: A

Question: 9

An owner representative contests an invoice that was mailed after an emergency service call which had determined the problem was “operator error”. Which of the following is “least” likely to prevent this type of misunderstanding?

Response:

- A. Predetermine that there is no need for service agreement given predicted mean time between failure for a TV
- B. Service agreement listed out specifics of what’s covered, noting emergency and operator error conditions
- C. The service agreement on file with Owner and Integrator was referenced when the emergency service call was placed
- D. System operation training was provided at system completion and with refreshers during maintenance visits

Answer: A

Question: 10

Which pieces of equipment are necessary for testing leads and evaluating an audio signal chain?
Response:

- A. An oscilloscope and a voltmeter
- B. A signal generator and a signal analyzer
- C. An impedance meter and a voltmeter
- D. An SPL meter and a loudspeaker

Answer: B

Question: 11

The purpose of shielding is to prevent _____ from mixing with the signal.
Response:

- A. Conductors
- B. Jackets
- C. Insulation
- D. Noise

Answer: D

Question: 12

When training a new user how to operate the AV solution that has been provided, which of the following is considered a BEST PRACTICE?
Response:

- A. let the user test the system and stand by to guide
- B. send the manual to the user to study at their own pace
- C. a well-designed system never needs to be trained
- D. demonstrate the system from power-up

Answer: D

Question: 13

When creating a purchasing list, the AV professional should:
Response:

- A. Order AV equipment and supplies from only local manufacturers

- B. Identify the specific quantity and products required
- C. Consider online ordering of specialized tools from one online vendor
- D. Purchase smaller quantities rather than expensive specialized items

Answer: B

Question: 14

Typically, what type of connector finishes the shielded twisted-pair cable?
Response:

- A. RXL
- B. XRL
- C. XLR
- D. LRX

Answer: C

Question: 15

What is the most important information to be gathered on a site visit?
Response:

- A. Location of doors
- B. HVAC capacity
- C. Room size and layout
- D. Locations of lighting fixtures

Answer: C

Question: 16

Which of the following network topologies connects devices in sequence along a linear path?
Response:

- A. Mesh
- B. Star
- C. Ring
- D. Bus

Answer: D

Question: 17

What is the main purpose of an initial needs analysis?

Response:

- A. To identify the specific equipment needs for the desired AV system
- B. To obtain the client's vision of the AV system design
- C. To identify the activities that the end users will perform and the functions that the AV system should provide to support these activities
- D. To determine the overall design of the AV system

Answer: C

Question: 18

What does signal separation refer to within a rack layout?

Response:

- A. Splitting composite video signals into component RGB signals
- B. Separating cables according to signal strength
- C. Running several cables carrying the same signal to separate components
- D. Separating components according to signal type

Answer: B

Question: 19

[Operating AV Solutions/Manage AV solutions/operations] Bluetooth technology can be useful in AV systems because it ____.

Response:

- A. Uses MAC addressing to connect the network
- B. Allows additional connections for control of source devices
- C. Connects similar devices via LAN
- D. Can communicate over long distances

Answer: B

Question: 20

It is best practice, when presenting your project proposal to the client, to make sure that ____ while addressing client questions and concerns.

Response:

- A. The meeting addresses vendor qualifications and equipment standards
- B. You are not recording the meeting for confidentiality reasons
- C. The meeting stays focused on the identified topics and objectives
- D. You have answers to any questions they raise at that time without delay

Answer: C