

Certified Technology Specialist

1. Project documentation states the system must logically isolate control and media networks. What piece of network equipment should be used?

A. router

B. access point

C. managed switch

D. unmanaged switch

Answer(s): C

2. When discussing a proposed audiovisual project with a new customer, it is important for the salesperson to FIRST

A. conduct a survey of end users to determine the project goals.

B. prepare a detailed layout of the equipment and cabling requirements.

C. identify the key decision makers and stakeholders in the client's organization.

D. consult with the project manager to determine the availability of staff to complete the installation.

Answer(s): C

3. The AV Project Manager is responsible for

A. schedule, budget, scope.

B. design, schedule, configuration.

C. budget, installation, maintenance.

D. configuration, scope, maintenance.

Answer(s): A

4. A university has equipped all of its theatres with laser projectors. The maintenance department should schedule

A. lamp and filter changes every six months.

B. cleaning and focus checks every six months.

C. remote monitoring and replace equipment at end of life.

D. no inspections, as they are maintenance free and replace equipment at end of life.

Answer(s): B

5. Which of the following translates the IP address of a computer in a local network to a single IP address?

A. HTTP

B. MAC

C. NAT

D. TCP

Answer(s): C

6. Which of the following aspects should FIRST be considered at an initial site survey for the location of AV racks?

A. serviceability

B. available space

C. access route restrictions

D. space allowance for future expansion

Answer(s): C

7. The amount of light emitted through a projection system lens is TYPICALLY specified and measured

A. in lux.

B. in lumens.

C. in footcandles.

D. by its contrast ratio.

Answer(s): B

8. A remote monitoring system's PRIMARY benefit is that it

A. reduces the need for service calls.

B. does not need to be located in the same building.

C. provides a faster response time for problem solving.

D. allows the AV team to make sure the equipment is being used properly.

Answer(s): A

9. A loud hiss is coming from the audio system. This is MOST LIKELY caused by

A. fluorescent lighting.

B. poor gain structure.

C. phase cancellation issues.

D. the microphones being off.

Answer(s): B

10. Which viewing category describes the usage of a display as reference for CAD drawings?

A. PV (Passive Viewing)

B. FMV (Full Motion Viewing)

C. BDM (Basic Decision Making)

D. ADM (Analytical Decision Making)

Answer(s): D

11. In order to mount a projector so that it is horizontally centered with the suspended screen, the technician should look at which drawings in the plans?

A. detail

B. sections

C. elevations

D. reflected ceiling

Answer(s): D

12. In the scope of work (SOW), an interface is described as being installed in the lectern. While the work is underway onsite, the client asks for the interface to be moved to a table next to the lectern. What is the proper response from the technician?

A. Advise the project manager of the request.

B. Follow the direction of the client, making a note in the job diary.

C. Follow the direction of the client and advise the project manager of the change.

D. Advise the client that moving the interface is out of the scope and install the interface in the lectern.

Answer(s): A

13. A loudspeaker with sensitivity 90 dB SPL measured at 1 meter, 1 watt is placed 2 meters away from a listener. At 1 watt, what is the SPL at the listener?

A. 81 dB SPL

B. 84 dB SPL

C. 87 dB SPL

D. 90 dB SPL

Answer(s): A

14. During project delivery and after completion, it is important to ensure correct management of control system code so that

A. programming costs will be within project budget.

B. other contractors are unable to reuse or edit code.

C. the most up-to-date version of code is available for upload when required.

D. sub-contract programmers submit uncompiled code as per their contract of employment.

Answer(s): C

15. In which of the following scenarios would infrared (IR) wireless microphones be preferred?

A. large auditoriums

B. rooms with direct sunlight

C. spaces where security is an issue

D. conferences with high frequency fluorescent lights

Answer(s): C

16. Which of the following terms means a complete lighting instrument composed of a lamp and housing?

A. lux

B. lumen

C. luminaire

D. footcandle

Answer(s): C

17. During the site survey, the client indicates that the space that will become a rear projection room is currently an off-white color. What should be recommended to the client?

A. paint the room gray

B. paint the room black

C. leave the room as it is

D. use carpeting on the walls

Answer(s): B

18. Which type of contract involves ongoing support for an AV system, regardless of the age of the facility or who did the initial installation?

A. system warranty

B. service agreement

C. manufacturer warranty

D. preventive maintenance

Answer(s): B

19. What is the MAIN benefit of carrying out regular software updates provided by the device manufacturer?

A. enhancing the data security of the system

B. providing a higher data throughput

C. providing a better understanding of the system

D. increasing the bandwidth

Answer(s): A

20. Which of the following is a MAJOR consideration for implementing AVoIP?

A. it requires the use of a fiber backbone

B. it prohibits virtual architecture rearrangement

C. it restricts sources from being accessed from anywhere

D. it requires an understanding of compression, image quality, and latency

Answer(s): D
