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BICSI Registered Communications Distribution Designer - RCDD

BICSI RCDD-001

Version Demo

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QUESTION NO: 1

Assuming the total fill capacity of a pathway is 100 cables (all of the same cable type and size), the MAXIMUM number of cables to be installed during the initial installation, without exceeding the fill ratio is:

A. 25

B. 40

C. 50

D. 60

ANSWER: B

QUESTION NO: 2

Surge currents due to lightning and other sources MUST be _____ before they penetrate the infrastructure.

A. Shorted

B. Maximized

C. Terminated

D. Equalized

ANSWER: D

QUESTION NO: 3

An isolated ground receptacle may be identified by:

A. Beige coloring with an orange triangle on the face

B. The letters IG

C. Continuous orange coloring

D. Its proximity to the PDU

E. Either A or C

ANSWER: E

QUESTION NO: 4

What is the expected lumenance value, in watts, of a 200 watt fluorescent lamp after three years?

A. 120 watts

B. 140 watts

C. 160 watts

D. 180 watts

E. 200 watts

ANSWER: B

QUESTION NO: 5

It is important to keep all underfloor cabling systems very neat and orderly. Cabling systems must be managed to ensure that air flow is not impeded by the height or volume of underfloor cabling. Keeping copper communications cabling properly separated from is one design approach. To resolve this:

A. Power cabling should be routed in the space below the floor in either hot or cold aisle

B. Route the copper cables in the cold aisle and route the power cabling in the hot aisle

C. Power cabling should be routed in the overhead space

D. Route the copper cables in the hot aisle and route the power cabling in the cold aisle

E. Copper cabling can be routed in either hot or cold aisles without any consequence in performance of the network

ANSWER: D

QUESTION NO: 6

For design purposes, loudspeakers are rated for a measured sound pressure level (SPL) at:

A. 1 m (3.3 ft) from the loudspeaker with 1 watt of power input

B. 1 m (3.3 ft) from the loudspeaker with 2 watts of power input

C. 3 m (10 ft) from the loudspeaker with 1 watt of power input

D. 3 m (10 ft) from the loudspeaker with 2 watts of power input

ANSWER: A

QUESTION NO: 7

You are working with the Sheriff's Department to develop a public safety wireless network that will be secured from interference and have the capability of delivering up 10 Mbps subscriber speed. What microwave frequency should be used to best meet these needs?

A. 2.4 Ghz

B. 4.9 Ghz

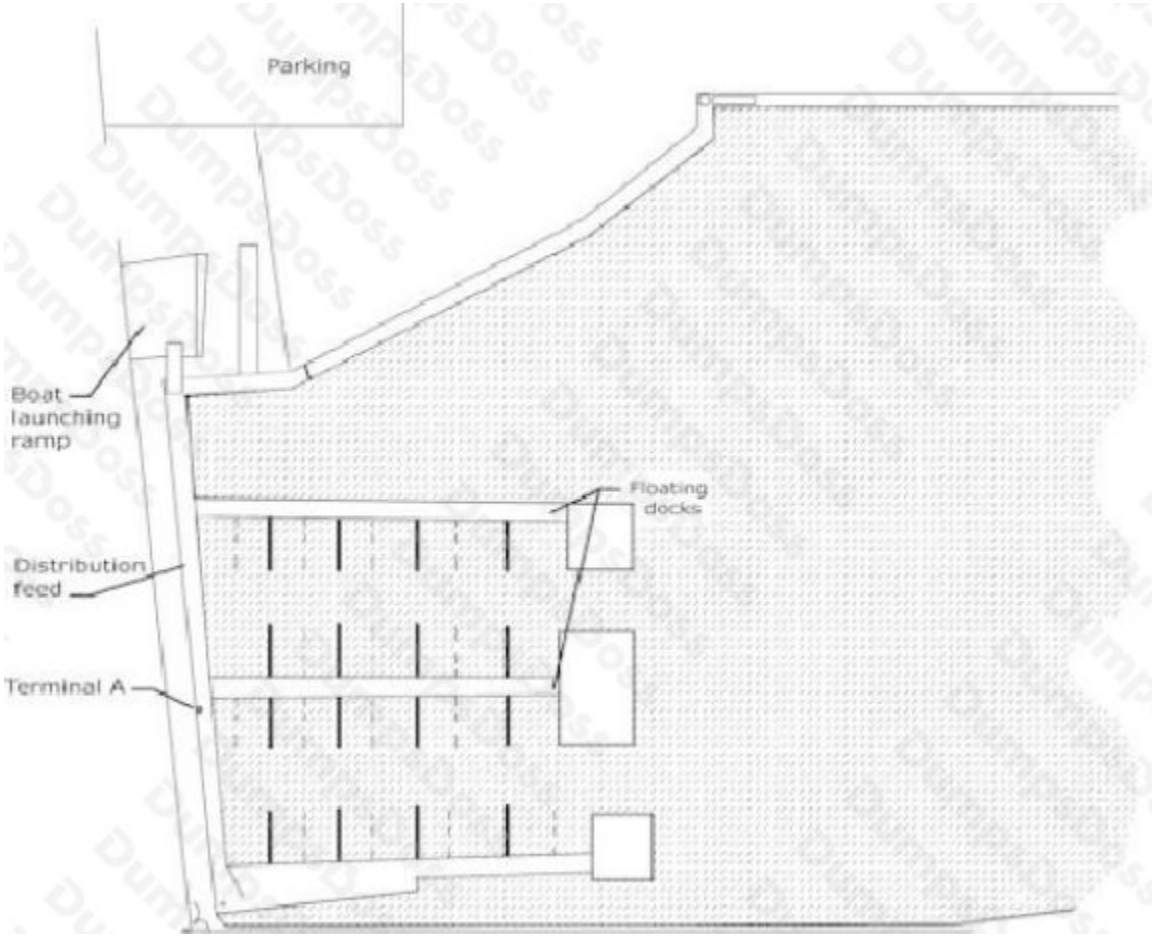
C. 5.0 Ghz

D. 5.3 Ghz

ANSWER: B

QUESTION NO: 8

Exhibit:



In this future marina layout, assuming that there are fewer than 10 slips being cabled, what would be the pre-cabling guideline to follow for terminal A?

A. Installed one or two pair cables from the boat slips to a distribution terminal on the closest point of land.

B. Place distribution cable onto the dock and terminate in a suitable cabinet or enclosure. Install service drop to each boat slip.

C. Pre-cable each boat slip during construction.

D. For security, each install should be terminated in the patch panel/cross-connect at the dockmaster or marina office.

ANSWER: A

QUESTION NO: 9

Certain systems must exist relative to bonding and grounding at every site. Which of the following is NOT one such system?

A. AC grounding electrode system (e.g., in some countries it may also be known as the earthing system)

B. Telecommunications bonding infrastructure

C. Lightning protection system

D. Equipment grounding system (e.g., in some countries it may also be known as the equipment bonding system)

ANSWER: C

QUESTION NO: 10

An isolated ground is used to:

A. Reduce transients

B. Prevent interruptions

C. Reduce EMI/RFI

D. Reduce swells and sags

ANSWER: C

QUESTION NO: 11

Cementitious materials are _____ based materials.

A. Dry powder

B. Latex

C. Solvent

D. Sand

ANSWER: A

QUESTION NO: 12

Which area of project management covers the blending of various subteams into a project organization with a cohesive plan?

A. Integration management

B. Human resources management

C. Risk management

D. Communications management

ANSWER: A

QUESTION NO: 13

Optical transmitters are typically one of the following types EXCEPT:

A. Light-emitting diode (LED)

B. Short wavelength laser compact disc (CD)

C. Vertical cavity surface emitting laser (VCEL)

D. Laser diode (LD)

E. Overfilled launch (OFL)

ANSWER: E

QUESTION NO: 14

Which of the following is an undesirable electromagnetic effect on a device(s)?

A. (EMC)

B. Electromagnetic interference (EMI)

C. Radio frequency interference (RFI)

D. Fast transients

E. Electrostatic discharge (ESD)

ANSWER: B

QUESTION NO: 15

If the input signal power to a communication system is 1 W and the output power is 1 mW, the system attenuation is:

A. 3 dB

B. 20 dB

C. 30 dB

D. 40 dB

E. 1000 dB

ANSWER: C