Vendor: BICSI

Exam Code: RCDDv14.1

Exam Name: BICSI Registered Communications Distribution Designer Exam

Version: DEMO

QUESTION 1
To accommodate telephone, data, CATV, security and multimedia, a MINIMUM of _____ strands of optical fiber auxiliary disconnect outlet (ADO) cable should be provided.

A. Two
B. Four
C. Five
D. Six
E. Eight

Answer: B

QUESTION 2
Which type of scheduling chart utilizes predecessor and successor relationships when identifying tasks?

A. PERT
B. Calendar
C. Milestone
D. Gantt

Answer: A

QUESTION 3
Which requirement does the ICT distribution designer provide to the Mechanical Engineer in charge of the HVAC design for a Telecommunication Space?

A. The heat load (BTU (calories/hour) of all equipment installed within the space
B. Location of the telecommunications own dedicated electrical distribution panel
C. The quantity and size of HVAC vents needed for the room
D. Location and size of condensate drain

Answer: A

QUESTION 4
Which of the following is a consideration for lighting telecommunication spaces?

A. To ensure worker safety within TEs. Light level requirements are higher tor these than other spaces
B. The light fixtures within telecommunications spaces shall be fluorescent type fixtures.
C. The electrical power for lighting shall be connected to the same electrical panel as the telecommunications equipment.
D. The lighting layout shall be coordinated with the equipment and pathway locations

Answer: D

QUESTION 5
In a budding with one join room for serving as the FR and EF and four dedicated TRs on the same floor a total of_____ 103 mm (4 trade size) conduits should be installed to

interconnect the backbone pathways to the ER.

A. 4
B. 8
C. 16
D. 20

Answer: C

QUESTION 6
What is used to facilitate MINOR changes to the Project Requirements? Request lot Information (RFI)

A. Punch list
B. Field order
C. Change order
D. Change order request

Answer: C

QUESTION 7
Which two of the following types of metallic conduit REQUIRE threaded couplings? (Select two options.)

A. Electrical metallic tubing (EMT)
B. Aluminum metal conduit (AMC)
C. Flexible metal conduit (FMC)
D. Intermediate metal conduit (IMC)
E. Rigid metal conduit (RMC)

Answer: DE

QUESTION 8
When considering pathway types, the ICT distribution designer should consider the applicable MICE factors as defined in TIA 568 for structured cabling systems and components MICE 3 relates to

A. commercial environment
B. heavy industrial environment
C. medical environment
D. light industrial environment

Answer: A

QUESTION 9
An ICT distribution designer is representing a client during a project execution. What is the designer's role in the Vendor and Contractor Coordination?

A. Oversee the sequence of the work and ensure that the job proceeds as anticipated in accordance

with the project execution schedule

B. Synchronizes the daily activities of all trades through daily or weekly meetings (depending on project size, complexity, or criticality) with individual trade PMs. Fore people, supervisors and designers as necessary

C. Holds two critical meetings to begin the project and allow all parties to introduce themselves The first meeting usually is conducted with the owner and design team, and the second meeting is with the field personnel and subcontractors

D. If specific questions arise regarding coordination of the installation with structural, architectural, and site conditions and work between trades, submit RFIs to the GC with appropriate documentation to demonstrate the concern along with the proposed installation.

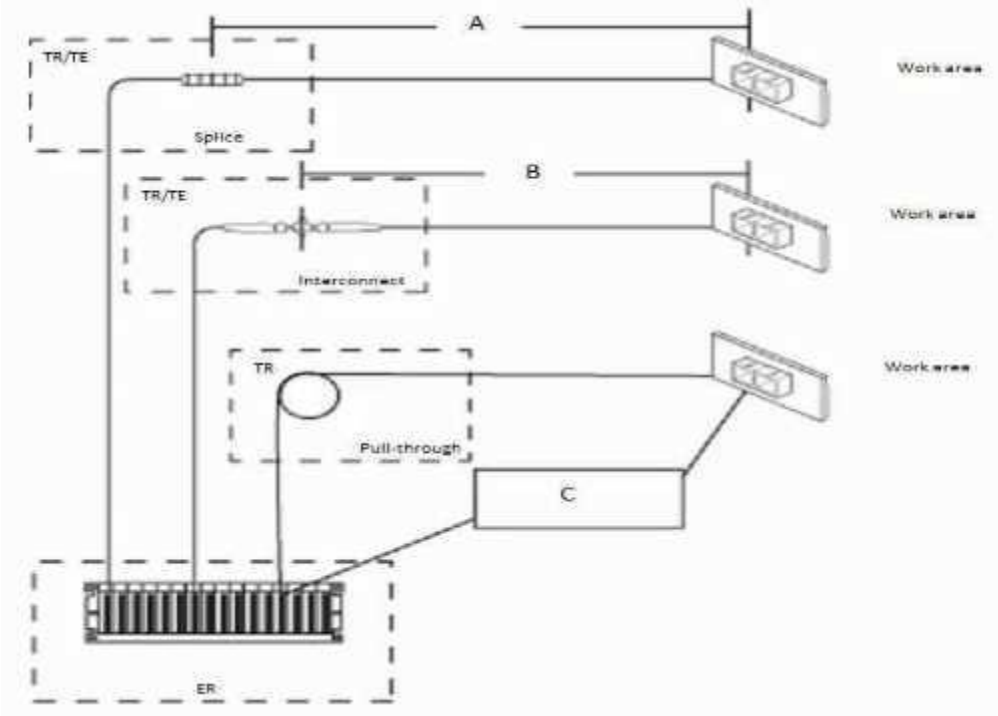
Answer: D

QUESTION 10
An ICT distribution designer is designing a backbone cabling network that is specified for a campus network including several links approaching 2000 m (6562 It) and data rates of 100 Gb/s What optical fiber type(s) should be used?

A. OM3 fiber
B. OM4 fiber
C. Both OS1 and OS2 fiber
D. Both OS2 and OM3 fiber

Answer: C

QUESTION 11
What is the MAXIMUM recommended length for A in the image below?



A. 70 m (230 ft)
B. 90 m (295 ft)
C. 100 m (320 ft)
D. 150 m (495 ft)
E. 300 m (985 ft)

Answer: B

QUESTION 12
Before working on equipment, what is the FINAL step in the lockout/tagout (LOTO) procedure?

A. Verify the equipment controls are in the proper operating position.
B. Train workers to perform the LOTO process.
C. Apply appropriate tags both locally and remotely.
D. Confirm the device is de-energized by proving it will not run when started.
E. Confirm all unnecessary items have been removed from the area.

Answer: C

QUESTION 13
The type of apparatus housed in ERs varies greatly in size, purpose and function. Which two of the following active equipment is included? (Select two options.)

A. Cross-connect facilities
B. Telecommunication's equipment
C. Environmental controls
D. Lighting controls
E. Building system equipment

Answer: BE

QUESTION 14
A design build firm has been retained by a client to construct an outpatient clinic. The client has hired an ICT distribution designer to review the DB firm's work product ensuring that the certified (mat documents are complete. In what capacity would the designer MOST LIKELY be serving?

A. Quality Assurance (QA)
B. ICT Designer of Record (DOR)
C. Project Management (PM)
D. Quality Control (QC)

Answer: A

QUESTION 15
In specifying labels and pruned tags that meet Underwriters Laboratories (UL) 969 Standard, marking and labeling systems are provided following the listed metrics. Which two of the following are REQUIRED for the UL standard? (Select two options.)

A. Adhesion test

B. Thickness test
C. Texture test
D. Durability test
E. Visual inspection

Answer: AE

QUESTION 16
When designing cable tray pathways under an access floor, what is the MINIMUM free space that should exist between the top of the cable tray side rails and the underside of the stringers?

A. 25 mm (1 in)
B. 51 mm (2 in)
C. 71 mm (3 in)
D. 101.60 mm (4 in)

Answer: B

QUESTION 17
For a six story building (plus a basement) each of the six floors has a useable area of =3716 m2 (40.000 ft2) There are two riser systems, each serving halt of the useable area on each Moor What are the sleeves quantity and configuration required from fifth floor to sixth floor?

A. Two sleeves
B. Three sleeves
C. Four sleeves
D. Five sleeves

Answer: D

QUESTION 18
An ICT distribution designer is estimating the installation of five units of 1.5 m (5 ft) tong channel basket trays connected together in the ceiling. The total length of the pathway needed is 7 5 m (25 ft). How many supports will be needed"

A. 2
B. 5
C. 7
D. 10
E. 20

Answer: B

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