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Exam : **MSC-321**

Title : Designing and Deploying Advanced Data Capture (ADC) Solution

Version : DEMO

1.Your customer is having an issue with bar code quality.Their application currently accepts packages from multiple suppliers.The bar codes are all 8 characters or less and can be any one of three symbologies; Code 39, code 128 or I 2 of 5, After doing some research you notice that the only bar codes you are having issues reading are coming from the supplier that is using I 2 of 5 labels.These labels are often smudged and of poor print quality.The users need to perform their job as fast as possible as the packages do arrive in large quantities at different times during the work day.You inspect the configuration and see that the scanner redundancy level has not been set for any bar codes so you think increasing the scanners redundancy level may assist in ensuring proper decode of the troubled labels, You are concerned that you may affect the scanners performance and want to keep the scanner as aggressive as possible but need to ensure the I 2 of 5 bar codes are read successfully during the process.
Knowing that the redundancy level is not set, to what Redundancy Level do you want to change the scanner configuration to BEST meet the above requirements?
Please use the Reference Guide exhibit at the bottom.
A.Redundancy Level 1
B.Redundancy Level 2
C.Redundancy Level 3
D.Redundancy Level 4
Answer: A

2.As a project manager for your customer's Advance Data Capture (ADC) design and deployment project, which of the following are critical elements of the pilot phase that may be used to evaluate user acceptance (select TWO)?
A.Hardware and Software requirements
B.Service from the Start options
C.Scanner Power Consumption
D.Scanner performance
E.User ergonomics
Answer: D,E

3.Which of the following products can be used for digital signage as well as price checking applications?
A.DS6708 DC
B.MK3000
C.LS9208
D.CS3000
Answer: B

4.You are using 123Scan2 to assist in troubleshooting ascanner and would like to perform some simple configuration and diagnostic testing.Which of the following CANNOT be performed via the 123Scan2application?
A.Update scanner firmware
B.Blink scanner LED’s
C.Reboot the scanner
D.Modify the scanner settings
Answer: C

5.123Scan2is an important tool that includes a wizadtool to guide users through a streamlined scanner set-up process.Once parameters are correctly tested and set, a user can perform all of the following options EXCEPT:
A.Distribute the saved configuration via email
B.Electronically download it via a USB or RS-232 cable to a scanner
C.Generate a sheet of programming bar codes that can be scanned by a scanner
D.Create a custom EPROM for duplication at the factory
Answer: D

6.What two Mobility Services Platform (MSP) components are required in order to manage hand held scanners?
A.Scanner Proxy Plug-in and Remote Control
B.Data Collection and Scanner Proxy Plug-in
C.Scanner Proxy Plug-in and AppCenter
D.Windows PC Client and the Scanner Proxy Plug-in
Answer: D

7.You are helping anexisting customer set up her ADCsystem so that her scanners capture images effectively.Which of the following interfaces would support image capture?
A.HID Keyboard
B.IBM Handheld/ USB OPOS
C.SNAPI
D.Simple COM emulation
Answer: C

8.Your client notices that when using a scanner inHIDmode that the host application appears to be missing some of the characters from the barcode.Which of the following items should be checked?
A.Application keyboard buffer size
B.Decode Redundancy Level
C.HID Keyboard Keystroke Delay
D.Timeout between Decodes
Answer: C

9.Which of the following scanning technologies has thehighest tolerance for reading bar codes from items in motion?
A.Linear Imager
B.Laser Scanner
C.Area Imager
D.Contact Scanner
Answer: B

10.The Mobile Phone/Display Mode feature on MotorolaSolutions Digital Scanners is often used to improve which of the following?

A.pairing the Digital Scanner with a mobile phone
B.performance of reading bar codes directly from the phone display
C.enabling the scanner to capture images directly from a mobile phone
D.performance of displaying scanned data on the mobile phone display
Answer: B

11.Under which of thefollowing circumstances would you use the Data Viewer to view barcode data?
A.To test image capture settings
B.To change the beeper volume
C.To enable the MicroPDF-417 symbology
D.To verify the output of an ADF rule
Answer: D

12.You are in the process of testing the Advanced Data Formatting (ADF) rules you used to program your scanner before starting your pilot.Your ADF rule was defined as:
Step Bar Code 1 Begin New Rule 2 Code 128 3 Send next 5 characters 4 Send <CTRLM> 5 Send <CTRL D> 6 Save Rule
You now want to run a scan test and scan the following three bar codes:
Code 39 bar code245671243170 Code 128 bar code1234567S9011 Code 39 bar code 382938470012
Which of the following strings will be sent to the host application?
A.245671243170 123456789011 <CTRL M><CTRL D> 382938470012
B.24567 <CTRL M><CTRL D> 123456789011 38293 <CTRL M><CTRL D>
C.245671243170 12345<CTRL M><CTRL D> 382938470012
D.24567 12345<CTRL M><CTRLD> 38293
Answer: C

13.Which of the followingis considered a benefit of omni-directional scanning?
A.Improved productivity and user comfort
B.Reduced configuration costs
C.Easily migrating to new hosts
D.Protection against spills and drops
Answer: A

14.Which of the following scanning technologies can read laser etched barcodes?
A.Long Range Scanners
B.Laser Scanners
C.DPM Scanners
D.CCD Scanners
Answer: C

15.When creating a budgetary proposal for your customer it is a good idea to "bundle" the scanners and other items as a kit.Which of the following is NOT typically a reason to ship scanners in a kit?
A.A kit keeps the "system components" together for shipping and installation.
B.A kit can be easily priced as one item instead of multiple items,

C.A kit can includeall cables and power supplies.
D.A kit can be programmed at the factory.
Answer: D

16.Which of the following is NOT considered a benefitofimager-based scanner technology?
A.Reads ID barcodes
B.Consumes lower power
C.Reads barcodes off screen displays and mobile
D.Reads barcodes omni-directionally
Answer: B

17.Your customer installed 20 RF scanners with cradlesand they have been working until recently.At this time a couple of scanners emit a long low/long high/long low/long high error tone after scanning a barcode.Which of the following best describes the issue with these scanners?
Please see Definitions exhibit at the bottom.

Radio Communicatons 4 - 3

Wireless Beeper Definitions

When the digital scanner scans the pairing bar code it issues various beep sequences indicating successful or unsuccessful operations. *Table 4-2* defines beep sequences that occur during pairing operations. (For additional beeper definitions, see *Beeper Definitions on page 2-1*.).

Table 4-2 *Wireless Beeper Definitions*

Beeper Sequence	Indication
Four long low beeps	1. A transmission error was detected in a scanned symbol. The data is ignored. This occurs if a unit is not properly configured. Check option setting. 2. When communicating with a cradle, the cradle acknowledges receipt of data. If the acknowledgment is not received, this transmission error beep sequence sounds. Data may still have been received by the host. Check the host system for receipt of transmitted data. If data was not received by the host, re-scan the bar code.
Five high beeps	Emitted every 5 seconds while a reconnection attempt is in progress. (See *Auto-reconnect Feature on page 4-14*.)
High/low/high/low beeps	Pairing bar code scanned.
Low/high beeps	Bluetooth connection established.
High/low beeps	Bluetooth disconnection event. Note: When connected to a remote device using SPP or HID, if a disconnect beep sequence sounds immediately after a bar code is scanned, check the host device for receipt of transmitted data. It is possible that an attempt was made to transmit the last bar code scanned after the connection was lost.
Long low/long high beeps	Page timeout; remote device is out of range/not powered. (See *Auto-reconnect Feature on page 4-14*.)
Long low/long high/long low/long high beeps	Connection attempt was rejected by remote device. Note: In the case of *Pairing Methods on page 4-21*, the cradle may already be connected to another digital scanner in single Point-to-Point locked mode, or the piconet may be full in Multipoint-to-Point mode. If Pair On Contacts is enabled and the digital scanner that is inserted is a ready connected to the cradle, no beeping occurs.

A.The scanners and cradles have lost their pairing.
B.The scanners no-longer have the proper decode logicand cannot decode the barcodes.
C.The scanner has a low battery condition and needs to be charged.
D.The scanner and cradle need to be returned to service tocorrect the issue.
Answer: A

18.You have identified that the customer requires a rugged scanner because it will be used in a harsh distribution center.What other questions would you ask to further refine the scanner decode technology selection (selectTHREE)?
A.At what distance will you be reading bar codes?
B.Will the bar codes be moving while attempting to read?
C.Is there an 802.11n wireless LAN in use?
D.Do you plan on performing your own maintenance on the scanners?
E.What types of bar codes will you be scanning?
Answer: A,B,E

19.Data Matrix bar codes are typically found on which ofthe following items?
A.Books
B.Printed Circuit Boards (PCB)
C.Package Sorting
D.Fruits and Vegetables
Answer: B

20.What is the primary audience for your completed data collection project?
A.Pre-sales team
B.Advanced Services team
C.Site Survey team
D.Deployment team
Answer: D