

One Year Diploma, Mobil Communication Examination 2014
Model Answer

Subject:- Smart Phone Repair

Paper Code:- 410102

~~Set (I) / (II)~~

Group - A

ANS:- (1)

(a) ~~(i)~~ - ~~(c)~~ - (iii)

(b) ~~(ii)~~ - ~~(b)~~ - (ii)

(c) ~~(iii)~~ - ~~(a)~~ - (i)

(d) ~~(iv)~~ - ~~(e)~~ - (iii)

(e) ~~(v)~~ - ~~(b)~~ - (ii)

(f) ~~(vi)~~ - ~~(a)~~ - (i)

(g) ~~(vii)~~ - ~~(c)~~ - (iii)

(h) ~~(viii)~~ - ~~(b)~~ - (ii)

(i) ~~(ix)~~ - ~~(b)~~ - (ii)

(j) ~~(x)~~ - ~~(b)~~ - (ii)

BA 2

Or

Subject:-

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Sets (I) / (II)

ANS: (2)

(i) There are many types of troubleshooting arises in Audio section of a smart phone:-

- (a) No sound or Distorted sound from speaker
Like hear no sound; muffled; Staticky, or crackling sound during call the phone.
- (b) Microphone Problem:- Microphone is not working or may some blocking of the microphone like dirt or debris or blocking due to screen protector or case etc.
- (c) Receiver Problem:- Either no sound or sound quality is not clear.

2. (ii) Firstly determine if the smart phone network settings are set to the default settings.

- (a) Swipe down from the top of the display, top settings > Network Conn > Mobile Network.
- (b) Make sure Mobile Network is switched to on.
- (c) Make sure Data Services is switched to on.
- (d) Make sure Network Technology is set the top entry in the drop down list

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~~Section / (11)~~

- (e) Make sure Network Selection Mode is set to Automatic.
- (f) Make sure Data Services while roaming is set to prompt.

ANS:- 2.)

(ii) If a smart phone mobile network connection is not done properly then we have to perform a series of functional tests to isolate the problem. Firstly turn-off the Wi-Fi connection on the smart phone and performing the following tests:-

- (a) Send an email to test the data connection and messaging server.
- (b) Browse to a webpage or browse to a corporate webpage using the ^{work browser.}
- (c) Send a BBM message from the customer's smart phone to another smart phone.
- (d) Send an SMS message to test the voice connection.
- (e) Make a phone call to test the voice connection.

ANS:- 3.)

(i) Jailbreaking is a form of privilege escalation and the term has been used to describe privilege escalation on devices by other manufacturers as well. The name refers to breaking the device out of its "jail", which is a technical term using in Unix-style systems. Jailbreaking permits

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roots access to the ios file system and manager, allowing the download of additional applications, extensions and themes that are unavailable through the official Apple shop.

ANS: 3)

(ii) The trouble shooting arrives in charging section of a Blackberry smart phones are :-

- (a) Battery doesn't charge
- (b) Device shows low battery images
- (c) Black screen & (d) Accessory not supported.

These troubles may corrected as follows :-

- (A) Inspect the Connector at the bottom of the blackberry phone.
- (B) Make sure that there are no bent pins in the Connector.
- (C) Make sure that the Connector is free from debris.
- (D) Make sure that the Blackberry USB cable and USB power adapt work
- (E) Plug the device into power and let it charge unit and device turns on.

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Q.10/11

Ans. 3) (iii) Mxkey is an USB dongle to use on mobile Ex Service Suite. It have a software Mobile Ex loaded. For unlocking the Blackberry smart phone or any Computer, this software is using as a tools. It is very cheap and powerfull to run on any Computer. Mobile Ex is a very usefull software for those who works with mobile-phones repair services. It has enhanced features with a cheap price. By taking it, runout update tool software ~~when~~ and no need to purchase activation code twice. To work with mobile Ex, an UFS series box is needed. UFS is the best ~~services~~ platform ever, that's why another used UFS as interface and we also use JAF interface to work with.

Group - B'

Ans. (A)

(i) For replacing the touching screen of smart phone following tools are needed:-

Safety glasses ; Hair dryer ; Circuit city gift card ; Screen replacement tool kit including plastic pry tools ; guitar pick ; screw driver ; working gloves etc.

- - Continued

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Sets (I) / (II)

The material needed :-

Replacement screen ; rubbing alcohol to clean the screen ;
packing tape etc.

Methods for replacing the touching screen :-

Wear the working gloves and safety glasses. This process will cause the glass to crack and shatter more. Put a circle of tape on the back of the phone to hold it to a sheet of cardboard to keep it in place.

Using the hair dryer, heat up the adhesive holding the screen to the phone. When the adhesive is soft pry the screen up and off the phone. Start on the sides of the device and work your way around slowly separating the screen assembly. Make sure not to pull the screen out without removing the flex ribbon cables and longer circuit city gift card is needed for this. When all of the glass is removed, clean the digitizer with a micro fiber cloth and some rubbing alcohol or lens

Replace the screen, placing the buttons in place as needed. Each phone model has a bit different, some may not be even have the two buttons in one.

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~~Q.10/400~~

Ans(4) (ii) Generally there are following troubles arrives in audio section of a Smart Phone

- (a) No sound (b) Microphone issues (c) Receiver issues

Process for trouble clearing:

- (A) Verify that volume is set to a level by which normally any can be able to hear.
(B) Ensure that there is nothing plugged into the handset jack or the dock connector.
(C) If the Smart Phone is in a protective case, make sure that the speaker port is not blocked by case
(D) Make sure that the speaker and dock port are not clogged with debris, if necessary clean it.

Microphone issues:

- (A) Make sure nothing is plugged into the jack connector.
(B) Make sure nothing is blocking the microphones like dirt or debris etc.
(C) Turn the smart phone off and then on
(D) Update to the latest version of "ios".

Receiver issues:

- (A) Increase the volume during call
(B) Make sure nothing is plugged into the dock corner
(C) Make sure nothing is blocking the receiver.
(D) If it is clogged with debris, clean it with a cleaner.

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Sets (I) / (II)

Ans(4) (ii) Basic of PC hardware are as follows:-

- (a) Central Processing Unit (CPU) :- This component is the brain centre of the computer, it is responsible for processing all the functions of computer. Attached to the CPU are other important components, including the motherboard, graphics card and disk drive with RAM. The motherboard do the variety of work and contains all the connections required to keep communication with one another. Graphics card are responsible for producing clear images on the computer monitor. Disk drives allowing the user to play CDs, DVDs on the system or store information. A hard disk is also an essential element of the CPU, and may come in two different types; Hard drive (HD) or Solid-state drive (SSD).
- (b) Monitor :- Monitor of a PC provides the visual image. CRT monitor is popular choice but latest monitors are of LCD and LED Technology came into existence.
- (c) Key board and Mouse :- These devices allow the user to communicate with the computer, initiating various actions by typing keys or click a button by mouse.
- (d) Modem :- A modem is a device that serves just this purpose allowing the PC to receive outside information over phone lines or high speed cable.
- (e) Speakers (f) Printer (g) Headphones (h) Video card etc

Name of Setter: - ~~XXXXXXXXXX~~

-X-

Designation: - ~~XXXXXXXXXX~~