GSM PHONES MAINTENANCE AND REPAIRS

EXAMINATION SCHEME

There will be two papers - Paper 1 and Paper 2. The papers shall be a composite paper to be taken at one sitting.

PAPER 1: Will consist of 40 multiple choice objective questions to be answered in 45 minutes. The paper will carry 40 marks.

PAPER 2: Will consist of two parts, Parts I and II lasting for 1 ¾ hours and carrying 100 marks.

Part I - Will comprise twelve (12) essay questions. Candidates will be required to answer any ten (10) questions in 55 minutes for a total of 60 marks.

Part II - Will comprise two questions on test of practical work for candidates to answer all in 50 minutes for 40 marks.

SAMPLE QUESTIONS

1. Which of the following is not a main menu of a typical mobile phone?
   A. Date
   B. Phone book
   C. Message
   D. Call register

2. The frequencies of mobile phones that support three bands are
   A. 830/1800/1920 MHz
   B. 1900/856/1802 MHz
   C. 850/900/920 MHz
   D. 900/1800/1900 MHz

3. Which accessory stores network-specific information used to authenticate and identify subscriber on the network?
   A. Battery
   B. SIM
   C. Internet
   D. EIGR

4. A client discovered that his phone is no longer responding and decided to take it for servicing. What type of maintenance did he carry out?
   A. Preventive
   B. Predictive
C. Corrective  
D. Flashing  

5. Which of the following hardware components is used for data and information storage?  
A. SIM Socket  
B. Memory Card  
C. Keypad  
D. Vibrator

ESSAY

1. (a) Name three mobile phone service providers in Nigeria. [3 marks]  
   (b) State one function of each of the following hardware components in a mobile phone. 
      (i) CPU  
      (ii) SIM socket  
      (iii) Mouthpiece [3 marks]

2. (a) Distinguish between preventive and corrective maintenance. [3 marks]  
   (b) State three uses of an oscilloscope in the repair of mobile phone. [3 marks]

3. (a) Identify three possible software problems in a mobile phone handset. [3 marks]  
   (b) Identify three possible hardware problems in a mobile phone handset. [3 marks]

4. On your way home from school, rain soaks your phone and it stops working. 
   Enumerate the step by step procedure that should be taken to make the phone function properly. [6 marks]