

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

- Which of the following is **not** a main menu of a typical mobile phone?
 - Date
 - Phone book
 - Message
 - Call register
- The frequencies of mobile phones that support three bands are
 - 830/1800/1920 MHz
 - 1900/856/1802 MHz
 - 850/900/920 MHz
 - 900/1800/1900 MHz
- Which accessory stores network-specific information used to authenticate and identify subscriber on the network?
 - Battery
 - SIM
 - Internet
 - EIGR
- 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?
 - Preventive
 - 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]