

LAGOS CITY POLYTECHNIC, IKEJA
SCHOOL OF ENGINEERING AND APPLIED SCIENCE
DEPARTMENT OF COMPUTER SCIENCE
2015/2016 SEMESTER EXAMINATION

COURSE	TITLE:	BASIC	HARDWARE
COURSE CODE:	COM 223	NO	OF QUESTION : 6
FOR WHOM:	ND YR III CS	P/T	TIME ALLOWED: 2HRS
ANSWER			INSTRUCTIONS: ANY

4

QUESTIONS

1. (a) Explain function of electronic test instruments.
 (c) Mention and explain function of 3 electronic measuring device.
 (c) Mention and explain causes of computer hardware failure.

2. (a) With the aid of schematic block diagram, explain basic hardware configuration of computer system.
 (b) Mention and distinguish between two(2) types of computer maintenance.
 (c) Explain basic hardware maintenance in computer system.

3. (a) Write full meaning of the following:
 (i) AGP (ii) EPROM (iii) ROM (iv) RAM
 (v) VGA (vi) PCI
 (b) Differentiate between RAM and ROM memory device.
 (c) Distinguish between computer Virus and Antivirus.

4. (a) Differentiate between Passive and Active Electronic devices and component with practical examples.
 (b) Mention and state function of 4 power protective protective devices
 (c) State and explain virus prevention procedures.

5. (a) Differentiate between computer repairs and maintenance
 (b) Distinguish between Analog and Digital Multimeters.
 (c) Mention and explain function of 5 computer motherboard component devices.

6. (a) Calculate the current supplied to a 60watts electric bulb if the emf applied across it is 220v.
 (b) Calculate the resistance of a conductor through which a current of 5 Ampere flows when voltage across it is 20v.
 (c) A 4.5v battery supplies power to an electric lamp. If the lamp current is 3 milli-Ampere.
 Calculate the resistance of the lamp filament.
 (d) State the following laws:
 (i) Ohms law (ii) Kirchoffs voltage law (iii) Kirchoffs current law (KCL)