**DEPARTMENT OF COMPUTER SCIENCE**

**AKANU IBIAM FEDERAL POLYTECHNIC, UNWANA**

**P.M.B. 1007, AFIKPO. EBONYI STATE.**

**BASIC HARDWARE MAINTENANCE PRACTICAL ASSESSMENT BOOK**

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Class :....................................................................................................

Date :.....................................................................................................

**In a world where fast evolving technologies are developed on minutely basis via computer and its related accessories, everybody needs to be interacting with information and communication technology (ICT) gadgets since almost everybody has computer systems or related computer accessories on his/her desk, laps or palms.**

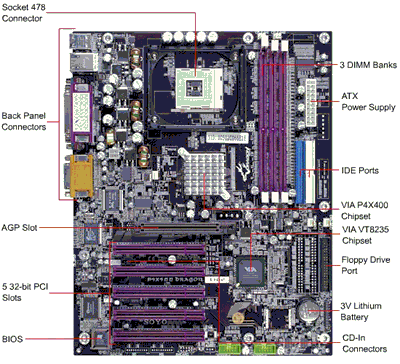
**Acquiring computer systems are good, maintaining them are better but knowing and applying the maintenance skills are the best. The maintenance culture can still be cultivated from the knowledge of basic maintenance approach and there are two major types of maintenance which are:**

1. **Preventive Maintenance**
2. **Corrective Maintenance (Curative)**

**Although, there are many techniques available for maintaining a computer system but in this assessment book, students will be evaluated based on several practical they have carried out in the laboratory.**

**Exercise 1**

**Identify and label the diagram appropriately in the space provided below. State the function of each part.**



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**Exercise 2**

**Identify and explain the function and the uses of the object below.**

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**Exercise 3**

**What is the name of the figure below? Explain what happens when a computer system is without or having a faulty one.**

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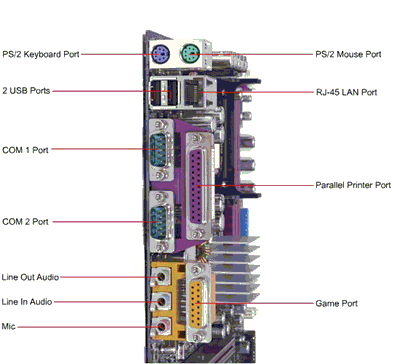
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**Exercise 4**

**Which part of the computer system is the figure below? Label it appropriately.**

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**Exercise 5**

**Identify and state the function of the device below.**

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**Exercise 6**

**Differentiate the two devices below and state the limitations of each of them.**

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**Exercise 7**

**Explain in details how a version of an operating system can be loaded into a new computer system.**

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**Exercise 8**

**What are three (3) necessary precautions to be taken prior to working on a faulty computer system? List three (3) common computer system faults and their remedies.**

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**Exercise 9**

**From the power supply unit of the computer system (i.e. power pack), there are several wires with different colors and each of them has specific task. With respect to the above statement, what are the functions of the following wires?**

**Black wire, yellow wire, red wire, blue wire, white wire, orange wire, green wire, and purple wire.**

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**Exercise 10**

**How can you make a computer system be in safe mode and what is the essence of safe mode?**

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