Score: (25 Marks)

Duration: 40 Minutes

Instructions to Candidate

1. This test worth 25 marks.
2. The marks for each question are allocated in at the end of each question.
3. Answer all questions.
4. Write your Full Name and Registration Number on answer sheet as appeared in your Student ID
5. Go straight to the answers, avoid rounding the bush.

1. What is a Computer? (2 marks)

2. What is the purpose of an expansion slot on a motherboard? Briefly explain any three types of the expansion slots. (8 marks)

3. What is a MODEM? Explain the main function of MODEM (2 marks)

4. What is the main function of the Power Supply Unit? How do you understand the Power_Good Signal? (4 marks)

5. Consider the data bus is 16 bit wide. How many bits of information the data bus can transfer at a time? Suppose the Information to be transferred contains 18 bits, how many data bus required transferring that information? Explain with a reason. (6 marks)

6. Given that there are 512 bytes per sector, calculate the hard drive storage for the following: heads = 32, tracks (cylinders) = 1,024, sectors/track = 63. (3 marks)