

**Exam's Topic:** the last exam in unit 4

**Time:** 1:30m

**Teacher's Name:** Ahmad Alshatti

**Total Marks:** 70

**Phone Number:** 0791943248

**Student's Name:** .....

**Question Number One (15 points)**

**Read the following text carefully, and these is your ANSWER BOOKLET answer all the questions that follow. Your answer should be on the text.**

The concept of a megaproject is always based on the benefits it brings to a community. However, many megaprojects have been criticized because of their negative effects on a community or the environment. This essay will look at issue with regard to Masdar City, a megaproject in Abu Dhabi. Masdar City, which began its development in 2006 CE, will be the world's first carbon-neutral, zero waste artificially-created city. Covering an area of six square kilometers, when it is completed in 2025 CE, it is expected to house more than 40,000 residents, 50,000 commuters, and 1,500 businesses involved in mainly environmentally-friendly products. The city will run entirely on renewable energy sources. It is built on an advanced energy grid which monitors exactly how much electricity is being used by every outlet in the complex. Furthermore, in order to reduce its carbon footprint, Masdar City will be a carefree zone, designed to be pedestrian and cycle-friendly. Electric, driverless cars will operate as public transport vehicles, and the city will be connected to other locations by a network of roads and railways. Energy will be provided by solar power and wind farms, and there are also plans to build the world's largest hydrogen plant. A desalination plant will be used to provide the city's water, with 8% of water used being recycled. Biological waste will be used as an energy source too, and industrial waste will be recycled. The current residents of Masdar City are all students at the Masdar Institute of Science and Technology, a university **whose** students are fully committed to finding solutions to the world's energy problems. While the project has the support of many global, environmental and conservation Organizations, there is some criticism of it. It is felt that, instead of building an Artificial sustainable city, sustainability should be made a priority of existing cities.

- 1- Mention the number of the residents of Masdar City. ( 2 points )
- 2- What is the aim of the students of the Masdar institute? ( 3 points )
- 3- Megaprojects concept based on something, what is it? ( 2 points )
- 4- Quote the sentence which shows the main reason to criticize megaprojects. ( 3 points )
- 5- What does the underlined word ( **whose** ) refer to? ( 2 points )
- 6- When and where did Masdar City begin its development ? ( 3 points )



