

# University of Larbi Ben M'ehidi Oum El Bouaghi

Faculty of Earth sciences and Architecture

Architecture Department

1<sup>st</sup> year Master of Architecture

Module: English Language

Time Allowed: 1h30

Jan 22<sup>nd</sup>, 2024

## Key Answers Exam

### Part 1:

#### Reading Comprehension : (08pts / 01 pt for each one)

- 1- Michael Reynolds was inspired to start designing homes based on sustainable principles in Taos, New Mexico, due to concerns about the planet and a desire to change the way people live.
- 2- Michael Reynolds started designing sustainable homes more than 25 years ago, and over 1,000 homes around the world now incorporate his "living" building systems.
- 3- Earthships are made from old tires filled with earth, and the walls are constructed from empty tin cans. These homes can use various recycled materials limited only by the imagination.
- 4- Earthships are designed to make families feel independent and free by incorporating built-in systems that take into account every human impact and need, allowing residents to live in harmony with their environment.
- 5- Earthships collect and store their own energy from various sources. The majority of electrical energy comes from the sun and wind.
- 6- Earthships collect water from the local environment without relying on a centralized source. Water used in an Earthship is harvested from rain or snow.
- 7- A sustainable society is defined as one that satisfies its needs without diminishing the prospects of future generations. It is considered a responsible way for humanity to preserve the health and safety of the planet by balancing current needs with future considerations.
- 8- Michael Reynolds hopes that more people will care about the planet in the future, and he finds it unfortunate that some may think sustainable living is inconvenient.

#### Vocabulary: (05 pts)

Effect = **impact**;                      Objective = **goal** ;                      Cause = **reason**                      (1.5 pts)

Ancient ≠ **modern**;                      Risky ≠ **Safety**;                      Finished ≠ **started**                      (1.5 pts)

- 1- Identify the following items:
  - The process of collecting and processing waste materials into new, reusable materials: **recycled materials (1pt)**
  - Reducing the negative impacts on the environment caused by building: **sustainable building (1pt)**

#### Part 2: Written Expression: (7 pts)

- Defining: sustainable architecture or sustainable design
- Explaining some principles of sustainable design: passive design, energy efficient, systems and technologies, footprint, materials....
- Talking about the importance of sustainable building: comfort, minimizing environmental impact, reducing pollution, conserving resources, preserving health and safety ....