

 Spring 2017-18

 Project Code: 17F06

**Assessing Sustainability Awareness at the University of Sharjah**

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Signatures

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University of Sharjah

Department of Industrial Engineering and

 Engineering Management

Bachelor of Science in

Industrial Engineering and Engineering Management

**0405492 Senior Design Project II**

**Section B: Knowledge**

**B.1) what is the best definition for “Hydroponic system”?**

1. “A form of agriculture where plants are not grown in soil, but rather in trays or grow beds fed by a constant flow of nutrient solution.”
2. “The science or practice of farming, including cultivation of the soil for the growing of crops and the rearing of animals to provide food, wool, and other products.”
3. “A production system that sustains the health of soils ecosystems and people.”
4. None of the above.
5. Didn’t hear about the term before.

|  |  |
| --- | --- |
| **B.2) Which of the following is NOT a type of renewable energy?** |  |
| Fossil Fuels | Hydroelectric | Geothermal | Solar | All are renewable energy  | Don’t know |
| **B.3) Which of the following CANNOT be recycled easily?**  |  |
| Milk cartons | Aluminum cans | Pizza boxes | Newspapers | All are recyclable  | Don’t know |
|  **B.4) Which of the following is NOT an Effect of Global Warming** |  |
| Ocean acidification | More heart attacks | Increase Precipitation (rain and snowfall)  | Higher sea levels | All are effects of global warming | Don’t know |
| **B.5) which of the following are the number one recycled items**   |  |
| Glass bottles  | Aluminum cans  | Plastic bags | Cartons  | Don’t know |  |

**C.3) Are you aware of the following environmental issue**

|  |  |  |
| --- | --- | --- |
|  | Yes | No |
|  |  |  |
| Climate change  |  |  |
| Ozone Hole |  |  |
| Global Warming |  |  |
| Polar Melt |  |  |
| Motor Vehicle pollution |  |  |
| Industrial pollution |  |  |
| Food contamination by Pesticides  |  |  |
| Bio-engineered food supply |  |  |
| Electromagnetic (power lines, cell phones) |  |  |