

## 2<sup>nd</sup> Semester Make up Exam Correction

### Exercice 01: select the correct answer

#### 1. Gravity is due to:

- a- the pull between Earth and the moon.
- b- the pull between the Sun and Earth.
- c. **the pull between any objects with mass.**
- d. the pull between atomic nuclei.

#### 2. The weakest of the four fundamental forces is:

- a. **Gravity**
- b. Strong Nuclear
- c. Electromagnetism
- d. Weak Nuclear

#### 3. \_\_\_\_\_ can be either a force of attraction or repulsion while \_\_\_\_\_ is only a force of attraction.

- a. Gravity; Electromagnetism
- b. Gravity; Strong nuclear force
- c. **Electromagnetism; Gravity**
- d. Magnetism; Electricity

#### 4. \_\_\_\_\_ and \_\_\_\_\_ are short range forces.

- a. Gravity, Electromagnetism
- b. Electromagnetism, Strong Nuclear
- c. **Strong Nuclear, Weak Nuclear**
- d. Gravity, Weak Nuclear

#### 5. Gravity has a range that is \_\_\_\_\_.

- a. Short
- b. **Infinite**
- c. Long
- d. Variable

### Exercice 02: True or False

- 1. => **True**
- 2. => **False**
- 3. => **False**
- 4. => **True**
- 5. => **True**

### Exercice 03: name the following objects and give an example of usage of each item



- 1. Erlenmeyer flask
- 2. Bunsen burner
- 3. Funnel
- 4. Micropipets

5. Hot plate

**Exercise 04:** Translate the following into Arabic or French

1. Electromagnetic force => 1. Force électromagnétique

2. Quarks => 2. Quarks

3. Beta decay => 3. Bêta décroissance

4. Radioactive => 4. Radioactif

5. Atomic symbol => 5. Symbole atomique