**Quiz (2)**

**Student Name**:……………………………………………… **ID:**……………………………………………..

1. **Choose the correct answer of the following statement:**
2. The energy of a photon that corresponded to wavelength of $400×10^{-9}m$ is:
3. $4.97 ×10^{-19}J$
4. $4.97 ×10^{-10}J$
5. $1.66×10^{-27}J$
6. $1.66 ×10^{-18}J$
7. An object placed at 5 m from a flat mirror, the distance between the object and the created image is:
8. 10 m
9. 5 m
10. 3 m
11. 8 m
12. The Law of Reflection state that
13. The incoming angle is larger than the reflected angle.
14. The incoming angle is smaller than the reflected angle.
15. The incoming angle and the reflected angle are equal.
16. The incoming angle and the reflected angle are not equal.
17. A diverging lens (concave) forms

a. Only a real image.

b. Only a virtual image.

c. Both a real image and a virtual image.

d. A perfect image.

1. Light pass from air which has a refracted index (n=1) through glass which has a refracted index (n=1.3) by an incident angle of 450, what is the expected refracted angle:
2. 520
3. 450
4. 330
5. 200

**Constants Value:**

Planck’s constant (h) = 6.626 × 10-34 J

Light speed (c) = 2.998 × 108 m/s