



# 6<sup>th</sup> International Olympiad of Science 2014



Presented by :

**SILVER ZONE FOUNDATION**

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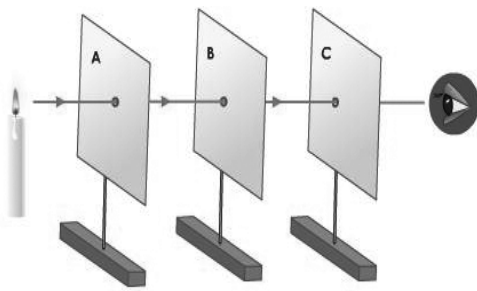
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## CLASS 6<sup>th</sup> SYLLABUS & SAMPLE QUESTIONS

Food, Components of food, Fiber to fabric, Sorting materials into groups, Separation of substances, Changes around us, Getting to know plants, Body movements, The living organisms and their surroundings, Motion and measurement of distances, Light, shadow and reflection, Electricity and circuits, Fun with magnets, Water, Air around us, Garbage in & garbage out, General & applied science

*The Actual Question Paper Contains 40 Questions. The Duration of the Test Paper is 60 Minutes.*

1. Look at the following figure carefully:



Which one of the following properties of light has been shown with the help of above figure?

- (A) Light bends when it enters from one medium to other
- (B) Light comes back into same medium after reflection
- (C) Light travels in a straight line
- (D) All of these
- (E) None of these

2. Name the plant whose leaves are modified to thin spines to reduce the loss of water through transpiration.

- (A) Water lily
- (B) Sugar plant
- (C) Cactus plant

- (D) Mango plant
- (E) None of these

3. Which one of the following is correct about the given statement?

**Red color clothes look more beautiful on girls than blue color clothes.**

- (A) The statement is a poor hypothesis because it cannot be tested
- (B) The statement is a good hypothesis because it can be tested
- (C) The statement is a poor hypothesis because it cannot be observed
- (D) The statement is a poor hypothesis because it can be observed
- (E) None of these

4. In the following figure a disease caused due to mineral deficiency has been shown:



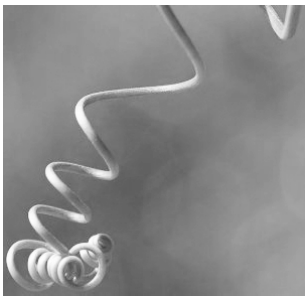
Which mineral deficiency causes this disease?

- (A) Calcium
- (B) Phosphorus
- (C) Iron
- (D) Iodine
- (E) None of these

5. **Rotation of Earth on its axis is an example of which type of motion?**

- (A) Rectilinear motion
- (B) Circular motion
- (C) Rotational motion
- (D) Periodic motion
- (E) None of these

6. **This is the special organ of a climber plant which helps the plant in climbing. Name the organ.**



- (A) Tendril
- (B) Lamina
- (C) Petiole
- (D) Leaf blade
- (E) None of these

7. **One of the Abiotic components present in the environment is air. The major components of the air are Nitrogen, Oxygen, Argon, and Carbon dioxide. Select the option that shows the correct order of percentage of each component in the air in decreasing order, that is, the component with highest percentage is placed first and that with lowest is placed last.**

- (A) Nitrogen → Oxygen → Argon → Carbon dioxide

- (B) Oxygen → Nitrogen → Argon → Carbon dioxide
- (C) Nitrogen → Argon → Oxygen → Carbon dioxide
- (D) Carbon dioxide → Oxygen → Nitrogen → Argon
- (E) None of these

8. **At what trophic level in the food chain the autotrophs are present.**

- (A) First trophic level
- (B) Second trophic level
- (C) Third trophic level
- (D) Fourth trophic level
- (E) None of these

9. **A red car covers the distance 200 m in 20 seconds and a blue car covers the distance 20 km in 20 minutes. Which car has the greater speed?**

- (A) Red car
- (B) Blue car
- (C) Both have equal speed
- (D) All of these
- (E) None of these

10. **Name the joint which exist between our skull and neck.**

- (A) Hinge joint
- (B) Ball and socket joint
- (C) Pivot joint
- (D) Fixed joint
- (E) None of these

**ANSWERS**

1. (C)    2. (C)    3. (A)    4. (D)    5. (C)    6. (A)    7. (A)    8. (A)    9. (B)    10. (C)