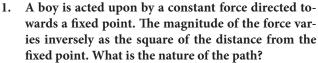
## International Science Supremo Olympiad (ISSO)

## **CLASS-8 SAMPLE QUESTION PAPER**

The Actual Question Paper Contains 50 Questions. The duration of the Test Paper is 60 Minutes.



(A) Straight line (B) Circle

- (C) Random motion (D) Can't say
- (E) None of these
- 2. Annie observes lightning in her area. She hears the sound 5 s after she observed lighting. How far is she from the place where lightning occurs if speed of sound in air is 330 m s<sup>-1</sup>.
  - (A) 1.65 km (B) 2.55 km
  - (C) 3.65 km (D) 4.55 km
  - (E) None of these
- 3. While playing a violin, in which of the following the vibrations can take place?
  - (A) The wire only
  - (B) Air only
  - (C) The box only
  - (D) Both the wire and box
  - (E) None of these
- 4. Bees, which are not carrying honey, fly with a flapping frequency of 440 Hz while those which are carrying honey fly with a flapping frequency of 300 Hz. The sound made by bees which are not carrying honey has:
  - (A) A lower pitch (B) A higher pitch
  - (C) A smaller loudness (D) A greater loudness
  - (E) None of these
- 5. Oxygen can be supplied to a fish tank by bubbling air in to water. The pressure and the volume of the air bubbles while they are rising respectively:
  - (A) Decreases, increases
  - (B) Decreases, decreases
  - (C) Increases, decreases
  - (D) Increases, increases
  - (E) None of these



- 6. A ball is dropped from a spacecraft revolving the earth at a height of 100 km. What will happen to the ball?
  - (A) It will continue to move with the same speed along the original orbit of spacecraft.
  - (B) It will move with the same speed, tangentially to the spacecraft.
  - (C) It will go very far in the space.
  - (D) It will fall down to earth gradually.
  - (E) None of these

## 7. When was the sun formed?

- (A) 15 billion years ago
- (B) 4.5 billion years ago
- (C) 10 billion years ago
- (D) 11.5 billion years ago
- (E) None of these
- 8. Some animals and birds move from their habitats seasonally to other areas. Such a movement is called \_\_\_\_\_.
  - (A) Emigration
  - (B) Immigration
  - (C) Migration
  - (D) All of these
  - (E) None of these.
- 9. Which force prevents us from slipping while walking on the road?
  - (A) Muscular force of our body
  - (B) Gravitational pull by the earth
  - (C) Fractional force
  - (D) Balanced force of nature
  - (E) None of these.
- 10. Why do we move faster on roller- skates than on shoes?
  - (A) The roller- skates have rollers to reduce friction.
  - (B) The roller- skates have more surfaces in contact with the ground.
  - (C) The roller- skates have no gravitational force.
  - (D) The roller- skates absorb heat from the ground.
  - (E) None of these.