

**CHINMAYA INTERNATIONAL RESIDENTIAL SCHOOL
COIMBATORE**

SAMPLE PAPER – 2010

CLASS : 1st IB

SUBJECT: PHYSICS

01. A ball is thrown straight upwards by a boy traveling in a bus which is moving with a constant velocity of 50 km/h. When the ball comes back, it will land

- A. in the boy's hand
- B. behind the boy
- C. in front of the boy
- D. none of the above

ANSWER	
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02. The splitting up of light into various colour is called

- A. scattering of light
- B. dispersion of light
- C. deviation of light
- D. transmission of light

ANSWER	
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03. A battery is connected to two bulbs in series connection. Now the bulbs are connected in parallel. On comparing the brightness in the two situations, which of the combination will glow brighter. Consider both the bulbs as identical and having the same power rating.

- A. series
- B. parallel
- C. remains the same in both
- D. insufficient information

ANSWER	
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04. Sound waves travel faster in

- A. Solids
- B. Liquids
- C. Gases
- D. Same in all mediums

ANSWER	
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05. A stone is thrown straight upwards with a speed of 10 m/s. When it comes back to its initial height, what will be the magnitude of the stone's velocity and acceleration?

- A. 0 m/s and 0 m/s² respectively
- B. 10 m/s and 0 m/s² respectively
- C. 0 m/s and 10 m/s² respectively
- D. 10 m/s and 10 m/s² respectively

ANSWER	
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06. If a light ray is incident on a glass block along the normal to the surface, what will be its angle of refraction?

- A. can't say: data is insufficient
- B. 0°
- C. 90°
- D. 180°

ANSWER	
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