

Question 10

- (a) Name the mirror which always produces an erect and virtual image. How is the size of the image related to the size of object for such a mirror? [2]
- (b) For what positions of the object, the image formed by a concave mirror is magnified and erect? [2]
- (c) Compare approximately the speed of sound in air, water and steel. [2]
- (d) Compare electrostatic induction and conduction. [2]
- (e) 'The resistance of a wire is 1 ohm. Does this value depend on the circuit in which it is connected? Explain. [2]