



















(c)

- i. The metal piece 'A' is called the magnetic keeper.
- ii. A is made of soft iron.
- iii. Piece 'A' preserves the magnetism in the magnet.
- iv. According to molecular (or domain) theory of magnetism, the magnet consists of a large number of tiny molecular magnets arranged in a particular direction. When a metal piece A is held between the north and the south poles of the magnet 'A' becomes a strong induced magnet. The magnetic dipoles in the horseshoe magnet and the metal piece 'A' form a closed loop with no free poles left. Thus, the metal piece 'A' serves the purpose of preventing demagnetization.