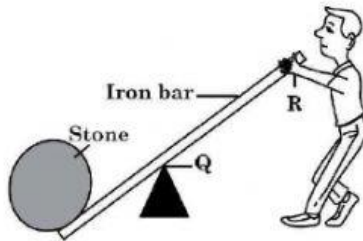


39. Which of the following statements about magnets is FALSE?

- (A) Every magnet has two poles.
- (B) A south pole attracts a north pole.
- (C) The magnetic force is weakest at the poles.

Questions 40-41 refer to the diagram below, which shows a boy using a lever to move a heavy stone.



40. What should the boy do to lift the stone off the ground?

- (A) Lift the iron bar at R.
- (B) Push down the iron bar at R.
- (C) Remove the wedge-shaped object at Q.

41. The point Q is called the

- (A) effort
- (B) anchor
- (C) fulcrum

42. Which of the following tools can BEST be used to place a 20-litre drum on a truck?

- (A) A spade
- (B) A crowbar
- (C) An inclined plane

43. Which of the following is the unit of force?

- (A) Joule
- (B) Newton
- (C) Degree

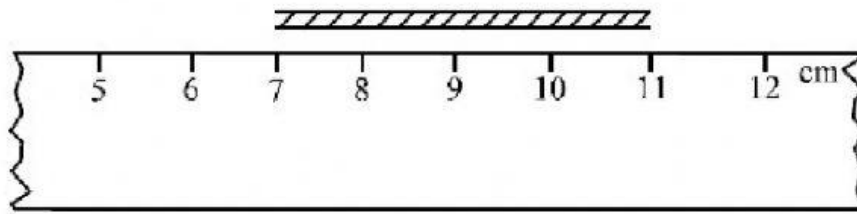


44. A covered pot half-filled with water, was placed over a fire. After a few minutes, the cover was removed and droplets of water were seen on the inside of the cover. The BEST explanation for the droplets is that
- (A) water bubbled onto the cover
 - (B) steam condensed on the cover
 - (C) the water rose to the level of the cover

45. Which of the following sequences represents a good safety practice when using an electric kettle?

- (A) Fill kettle → dry hands → plug in kettle
- (B) Plug in kettle → fill kettle → dry hands
- (C) Dry hands → plug in kettle → fill kettle

Question 46 refers to the following diagram which shows a ruler and a piece of string.

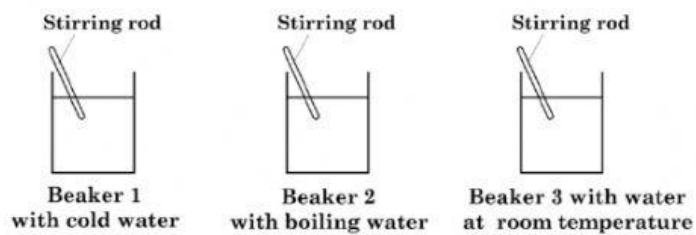


46. The length of the string, in cm, is

- (A) 4
- (B) 5
- (C) 7



Questions 47-49 refer to the diagrams below.

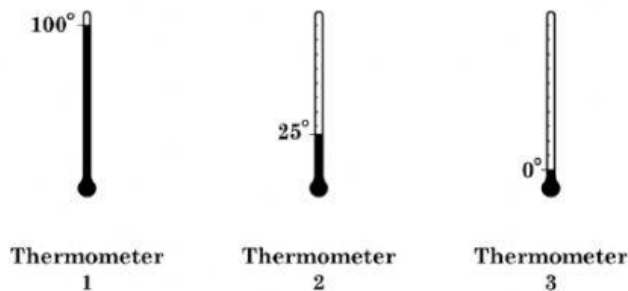


47. Five grams of sugar were added to each beaker and stirred at the same rate.

In which beaker will the sugar dissolve the fastest?

- (A) Beaker 1
- (B) Beaker 2
- (C) Beaker 3

48. A thermometer was later placed in each of the beakers; the temperature readings are shown below.



Which of the thermometers above would indicate the temperature in Beaker 2?

- (A) 1
- (B) 2
- (C) 3

49. The mass of sugar which was added to the beakers was MOST likely measured using a

- (A) ruler
- (B) balance
- (C) thermometer



50. Equal amounts of sand, sugar and salt are added to three separate containers with water at 100°C. Each mixture is stirred for two minutes then allowed to stand.

Which of the following predictions is accurate?

- (A) All three substances will dissolve at the same rate.
- (B) The sugar and salt will dissolve but the sand will not.
- (C) The sugar and sand will both dissolve but the salt will not.

