

Short Assessment

1.

A solid cylinder is attached to a solid hemisphere as shown in the diagram below.

The radius of the cylinder is 6 cm.

The height of the cylinder is 15 cm.

Calculate the total surface area of the solid shape.



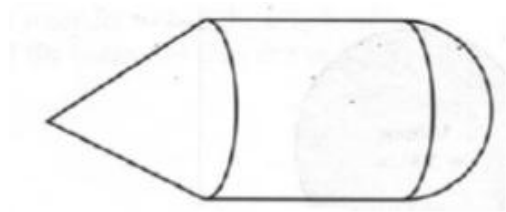
(6 marks)

2.

A toy consists of a cylinder of diameter 6 cm 'sandwiched' between a hemisphere and a cone of the same diameter.

The cone is of height 8 cm and the cylinder is of height 10 cm.

Find the total surface area of the toy.



(7 marks)

- End of Test -