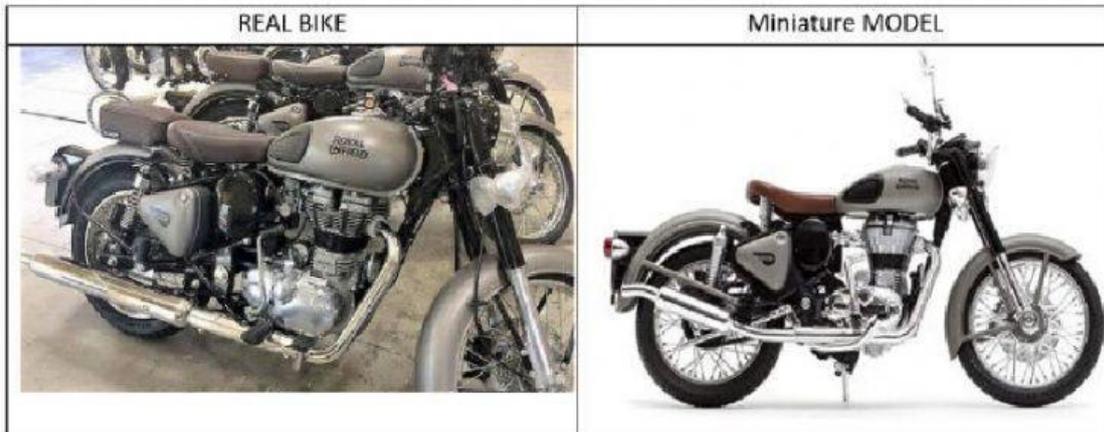Q18 (i) A MINIATURE MODEL of a ROYAL ENFIELD CLASSIC GREY is made on the scale of 1:12. The real bike is 216cm long. What is the length of the MINIATURE MODEL?

REAL BIKE	Miniature MODEL

○ 12cm

○ 16cm

○ 18cm

○ 21.6cm

Q18. (ii) If height of the MINIATURE MODEL is 91mm. Then what is the height of the REAL BIKE. (Scale Ratio is 1:12)

○ 91cm

○ 1025mm

○ 1092mm

○ 108cm

Q18. (iii) If two triangles have a scale factor 3:5. Which statement regarding the two triangles is true?

○ The Ratio of their perimeters is 15:5

○ Their altitudes have ratio 9 : 5

○ Their Medians have a ratio 3:5

○ Their angle bisectors have a ration 9 : 25

Q18 (iv). Shadow of a 6ft tall poll is 3ft. Then what is the height of Water tank if its shadow is 10m long.

○ 20ft

○ 20m

○ 10ft

○ 10m

Q18. (v) What will effect the similarity of any two polygons?

○ They are flipped horizontally

○ They are dilated by a scale factor

○ They are mirror images of each other

○ One of the sides of one Triangle is stretched.