

- (iii) What is the average speed of the car between B and C?

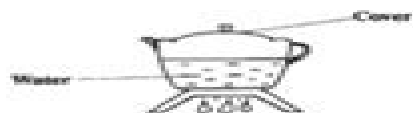
(3 marks)

- (iv) If the mass of the car is 750 kg, find the braking force that slows the car between B and C.

(5 marks)

Total 16 marks

9. (a) Figure 2 below shows a shiny kettle which is placed on a gas stove to heat the water inside it.



- (i) By what process is heat transferred to the water through the kettle?

(1 mark)

- (ii) Explain why kettles are usually shiny on the outside.

(1 mark)

- (iii) How does the cover prevent heat losses?

(2 marks)

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