

Chemistry

Section I (continued)

Part B – 60 marks

Attempt Questions 16–27

Allow about 1 hour and 45 minutes for this part

Answer the questions in the spaces provided.

Show all relevant working in questions involving calculations.

	Marks
Question 16 (6 marks)	
You have carried out a first-hand investigation to compare the reactivity of an alkene with its corresponding alkane.	
(a) State the name of the alkene.	1
..... Hexene	
(b) Outline a procedure to compare the reactivity of this alkene with its corresponding alkane.	2
..... Added bromine water to alkene and alkane. Then observed what happened	
(c) Describe the results obtained from this first-hand investigation and include relevant chemical equations.	3
..... when bromine water was added to alkene it changed colour. But when it was added to alkane it did not change colour.	