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2010 HIGHER SCHOOL CERTIFICATE EXAMINATION Biology						
Section I (continued)			С	entre	Nur	nber
Part B – 55 marks Attempt Questions 21–30			Stı	ıdent	Nur	 nber

Attempt Questions 21–30
Allow about 1 hour and 40 minutes for this part

Answer the questions in the spaces provided. These spaces provide guidance for the expected length of response.

## **Question 21** (2 marks)

Gregor Mendel and Thomas Morgan both used breeding experiments to deduce fundamental principles of genetics.

Complete the four blank boxes in the table.

First Cross (F <sub>1</sub> ) Parents Genotype					$X^R X^R \times X^r Y$
First Cross Punnet		t	t		
Square	Т	Tt	Tt		
	Т	Tt	Tt		
				J	
F <sub>1</sub> Phenotype					

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