1. (a) Change  $\frac{3}{11}$  to a decimal.

.....(1)

(b) Prove that the recurring decimal  $0.3\dot{9} = \frac{13}{33}$ 

(3) (Total 4 marks)

2. Prove that the recurring decimal  $0.\dot{4}\dot{5} = \frac{15}{33}$ 

(Total 3 marks)

<b>3.</b>	Express the recurring decimal 0.213 as a fraction.	
		(Total 3 marks)
	460	
4.	Prove that $0.473$ can be written as the fraction $\frac{409}{990}$	
4.	Prove that $0.473$ can be written as the fraction $\frac{469}{990}$	
4.	Prove that $0.473$ can be written as the fraction $\frac{409}{990}$	
4.	Prove that $0.473$ can be written as the fraction $\frac{409}{990}$	
4.	Prove that $0.473$ can be written as the fraction $\frac{409}{990}$	
4.	Prove that $0.473$ can be written as the fraction $\frac{409}{990}$	
4.	Prove that $0.473$ can be written as the fraction $\frac{409}{990}$	
4.	Prove that $0.4\dot{7}\dot{3}$ can be written as the fraction $\frac{40\dot{9}}{990}$	
4.	Prove that $0.4\dot{7}\dot{3}$ can be written as the fraction $\frac{40\dot{9}}{990}$	
4.	Prove that $0.4\dot{7}\dot{3}$ can be written as the fraction $\frac{40\dot{9}}{990}$	
4.	Prove that $0.4\dot{7}\dot{3}$ can be written as the fraction $\frac{40\dot{9}}{990}$	
4.	Prove that $0.4\dot{7}\dot{3}$ can be written as the fraction $\frac{40\dot{9}}{990}$	
4.	Prove that $0.4\dot{7}\dot{3}$ can be written as the fraction $\frac{40\dot{9}}{990}$	
4.	Prove that $0.4\dot{7}\dot{3}$ can be written as the fraction $\frac{409}{990}$	
4.	Prove that $0.4\dot{7}\dot{3}$ can be written as the fraction $\frac{409}{990}$	
4.	Prove that $0.4\dot{7}\dot{3}$ can be written as the fraction $\frac{409}{990}$	(Total 2 marks)
4.	Prove that $0.473$ can be written as the fraction $\frac{407}{990}$	(Total 2 marks)

5.	Prove that the recurring decimal $0.\dot{1}\dot{7} = \frac{17}{99}$
	(Total 2 marks)
6.	(a) Express $0.\dot{2}\dot{7}$ as a fraction in its simplest form.
	(n)
	(3)

x is an integer such that  $1 \le x \le 9$ 

(b) Prove that  $0.\dot{0}\dot{x} = \frac{x}{99}$ 

- (2) (Total 5 marks)
- 7. Change the recurring decimal  $0.\dot{2}\dot{3}$  to a fraction.

......(Total 2 marks)

8.	(1)	Convert the recurring decimal 0.36 to a fraction.	
			••
	(ii)	Convert the recurring decimal $2.1\dot{3}\dot{6}$ to a mixed number.	
		Give your answer in its simplest form.	
		•	
		(Tota	al 5 marks)
9.	Con	nvert the recurring decimal 2.145 to a fraction.	
•	Con	avert the recurring decimal 2.145 to a macron.	
		(Tota	al 3 marks)
			/

10.	Express the recurring decimal 0.126 as a fraction.
	(Total 3 marks)
11	Express 0.3 28 as a fraction in its simplest form.
110	Express 0.5 26 as a fraction in its simplest form.

12.	The recurring decimal $0.\dot{7}\dot{2}$ can be written as the fraction $\frac{8}{11}$
	Write the recurring decimal $0.5\dot{7}\dot{2}$ as a fraction.
	(Total 2 marks)
13.	Express the recurring decimal 2.06 as a fraction. Write your answer in its simplest form.
13.	
13.	
13.	
13.	
13.	
13.	
13.	Write your answer in its simplest form.
13.	