

Question 1**(8 marks)**

A survey was conducted by a film studio executive of filmgoers' favourite genres. The categories chosen were action, drama and comedy. The information is displayed in the table below.

		Genre			
		Action	Drama	Comedy	Total
Age (years)	1–10	40	45		125
	11–20	17		43	86
	21–30		25		125
Total			96	113	336

(a) Complete the two-way table above. (3 marks)

(b) Identify the response variable for these data. (1 mark)

- (c) The incomplete two-way percentaged table is shown below.

		Genre			
		Action	Drama	Comedy	Total
Age (years)	1–10		36		
	11–20		30		
	21–30	56		24	
	Total				

- (i) Complete the table above by using either row percentages **or** column percentages, as appropriate. (3 marks)
- (ii) State an association that can be observed from the two-way percentaged table. (1 mark)