1. Zimo wants to apply for a job with a large international company.

All applicants must take an aptitude test to see if they are suitable for the job.

There are two centres where Zimo can take the test, centre A and centre B

Zimo found out that last month

- 90 people took the test at centre A and 60 passed
- 110 people took the test at centre B and 80 passed

Test, at the 5% level of significance, whether or not the aptitude test result is independent of the test centre.

Show your working clearly. You must state your hypotheses, expected frequencies, test statistic and critical value.

(8)

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Question 1 continued

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Question 1 continued

(Total for Question 1 is 8 marks)