SECTION A

Answer ALL the questions in this section.

For questions 1–10, in Section A, select one answer from A to D and put a cross in the box ⊠. If you change your mind, put a line through the box ⊠ and then mark your new answer with a cross ⊠.

1   The luminosity axis of a Hertzsprung-Russell diagram has a logarithmic scale.

Which of the following is the reason for this?

⊠   **A**   Stars all have very large luminosities.

⊠   **B**   The range of luminosities of stars is very large.

⊠   **C**   The range of distances to stars is very large.

⊠   **D**   The temperature axis has a logarithmic scale.

(Total for Question 1 = 1 mark)