

**Marks**  
**4**

Given that haemoglobin contains 4 Fe atoms per molecule and its concentration in blood is 15.0 g per 100 mL, calculate the total mass of Fe in the patient's blood *before* being treated with Desferal. (The molar mass of haemoglobin is  $6.45 \times 10^4 \text{ g mol}^{-1}$ .)

ANSWER:

**THE REMAINDER OF THIS PAGE IS FOR ROUGH WORKING ONLY**