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| --- | --- | --- |
| Question | Main points of expected responses | |
|  |  | •1  •2  •3      •4 |
|  | Recurrence relation first term    Second term  End of first month  End of six month  Limit  Conclusion | •1  •2  •3  • 4  •5  •6 |
| 3  3 | Evidence of Sim. Equations  Solve for  Solve for  Finding | •1  •2  •3  •4  •5 |
|  | Finding  Finding  Equating functions  Rearranging  Factorising  Solution | •1  •2  •3  •4  •5  •6 |
| 5 | Rearranging  Undoing **cos**  Further partial solution  First two solutions for  Further two solutions | •1  •2  •3  •4  •5 |

**Total 26 marks**