2.

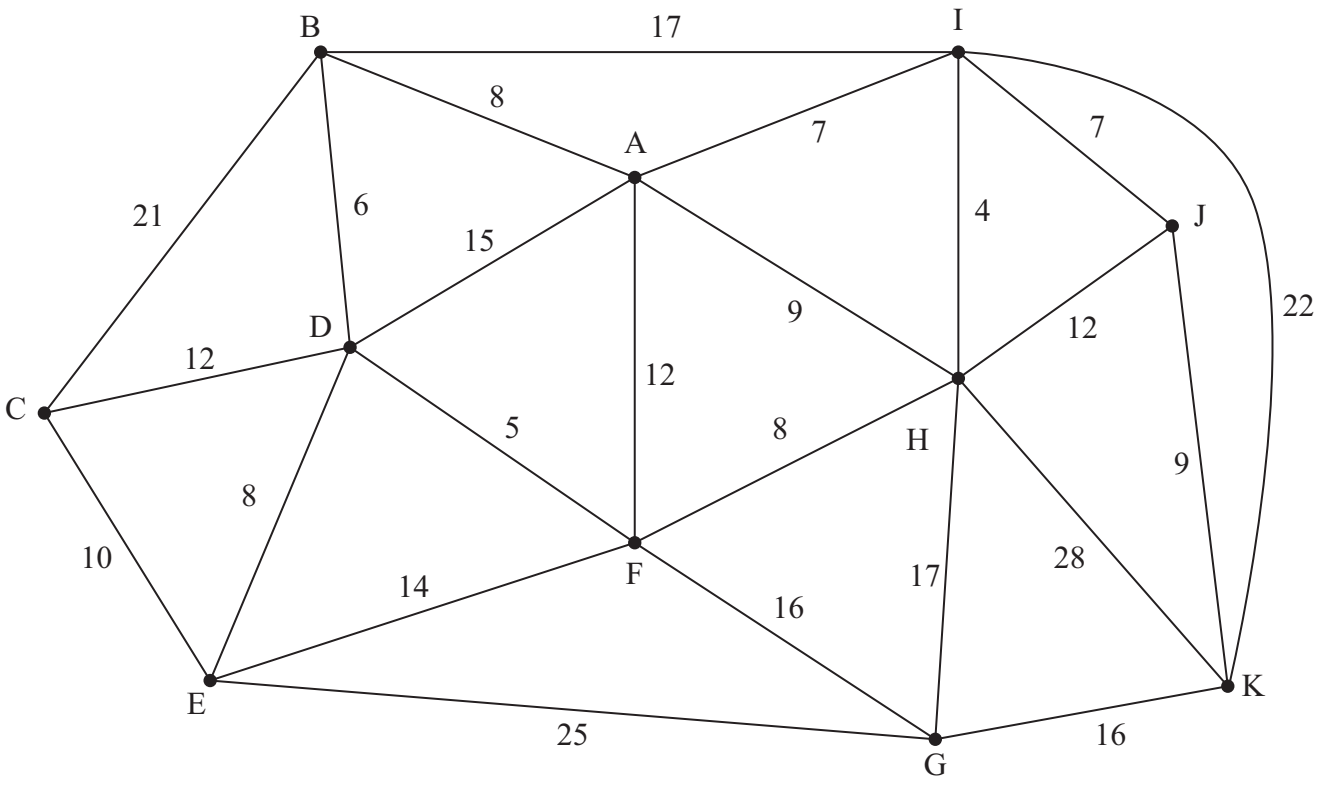


Figure 1

Figure 1 shows a network of paths between eleven viewing points in a bird sanctuary. The number on each arc represents the time taken, in minutes, to walk between the viewing points.

Use Dijkstra's algorithm to determine the quickest route from C to K. You should state the route and the quickest time.

(Total for Question 2 is 6 marks)