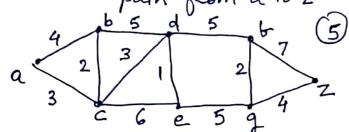
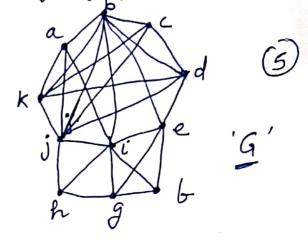
QI Explain the city of koningsberg frablem. (3)

Q.2 Find the cheromatic no.

of the graph G.

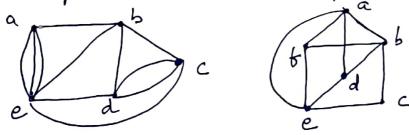
O3 Find the length of the Shortest path from a to z

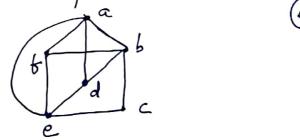




Q.4 If G is a connected planar simple graph with e (5) edges f v vertices, where $v \ge 3$, then $e \le 3v-6$. From

Os Determine whether the graphs has an Euler circuit on Euler path. Construct the path.





Q.6 Suppose that a connected planar graph has 25 vertices each of degree 4. Into how many regions does the planar representation has?

Q.7 State Euler's formula. Verify it for the foll.

graph. Also state its proof.

