1. (i) Less than 10%

(ii) The red ink molecules diffuse out of the Visking tubing

from the red ink solution and enter the water.

1. Only red ink molecules can diffuse out of the Visking tubing and not that starch molecules
2. (i) Increase.

(ii) The water has a higher water potential than that of the starch solution.

Hence, there will be net movement of water molecules from the water to the starch

solution by osmosis.

1. Yes. Red ink molecules are small enough to diffuse into Visking tubing B.