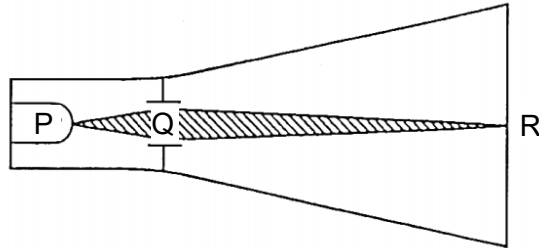


- 21** In the diagram of an oscilloscope shown below, the shaded area represents a section through the electron beam which is generated near P, deflected and accelerated at Q and focused at R. The tube contains no gas.



Which of the following statements about the current along PQR is true?

- A** It has the same value at P, Q and R.
- B** It decreases from P to Q but becomes very large at point R.
- C** It decreases between P and Q, then increases to reach the same value at R as at P.
- D** It increases between P and Q, then decreases to reach the same value at R as at P.