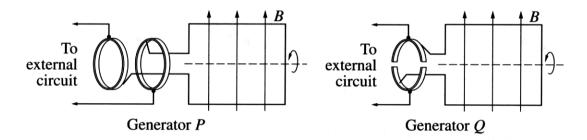
2002 HIGHER SCHOOL CERTIFICATE EXAMINATION Physics

Section I – Part B (continued)

Marks

Question 22 (6 marks)

Two types of generator are shown in the diagram.



(a) What is the function of the brush in a generator?

to make contact by w the sphtrungs/sliprings

and external curcuit

(b) Which of these generators is a DC generator? Justify your choice.

Generator Q. The split ring commutator allows

the current reversal to not affect be passed

on to the external cur cuit. The brushes

Switch contact with def the ends of the

coul/commutator/allowing the current to flow

one way is

occurrent

(c) Outline why AC generators are used in large-scale electrical power production/switch ends he AC generators have less moving parts: Create less energy loss. More importantly AC generators produced current to be stepped up or down for transmission: I power loss due to high currents.