2002 HIGHER SCHOOL CERTIFICATE EXAMINATION **Physics** Centre Number **Section I – Part B (continued)** Student Number Marks **Question 22** (6 marks) Two types of generator are shown in the diagram. To To external external circuit circuit Generator Q Generator P What is the function of the brush in a generator? 1 (a) Which of these generators is a DC generator? Justify your choice. 3 (b) (c) Outline why AC generators are used in large-scale electrical power production. 2

.....

-21