

# Chemistry

## Section I – Part B (continued)

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Marks

### Question 19 (5 marks)

- (a) Describe the conditions under which a nucleus is unstable.

2

a nucleus will become unstable if it is too heavy, has a atomic no. greater than 83 (Bismuth), its proton to neutron ratio puts it outside a stable ratio, or has too much energy.

Question 19 continues on page 14

