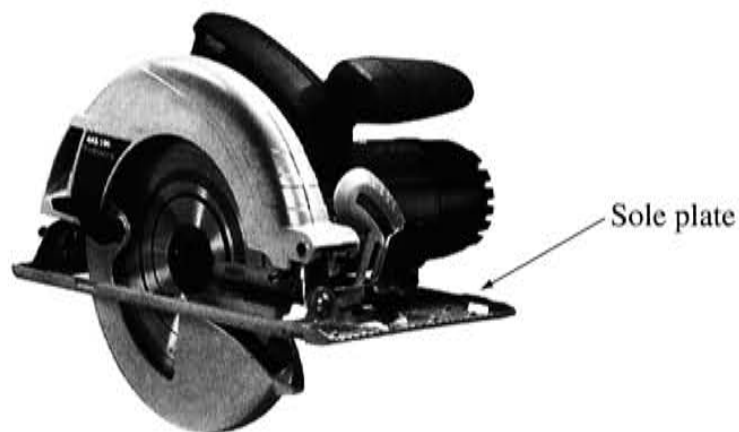


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**Question 17** (8 marks)

An illustration of a 240 V portable circular saw is shown.



- (a) What are TWO adjustments that can be made to the sole plate? 2

The sole plate can be raised up or down to adjust the depth of the cut. The sole plate's angle can also be adjusted to change the angle of the cutting blade.

- (b) What features of the blade should be considered when purchasing a replacement? 2

The diameter of the blade should be considered. Also the number of teeth on the blade depending on the job application e.g. lots of fine teeth have a fine cut, whereas less larger teeth have a rougher cut.

Question 17 continues on page 12

Question 17 (continued)

- (c) Describe the routine maintenance checks for this type of saw.

4

A routine check could be ensuring the tool is tagged according to OHS requirements. The guards should always be checked to ensure they are in proper working order. The condition of the power lead and plug is essential as damaged leads or plugs should never be used. The condition of the saw's casing should be checked ensuring there are no cracks or excessive dust blocking ventilation slots as this could lead to overheating. The condition of the blade should also be checked to ensure it is not damaged in any way.

End of Question 17