

Candidate Name	Centre Number	Candidate Number

WELSH JOINT EDUCATION COMMITTEE



CYD-BWYLLGOR ADDYSG CYMRU

ENTRY LEVEL CERTIFICATE

TYSTYSGRIF LEFEL MYNEDIAD

725/01

**Entry Level Certificate**

**GRAPHICAL AND MATERIAL STUDIES**

**(Woodcraft)**

P.M. THURSDAY, 15 March 2007

(½ Hour)

**Examiner only**

<b>Total Marks</b>	
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**INSTRUCTIONS TO CANDIDATES**

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** questions.

Underline **or** circle the correct answer **or** write in the spaces provided in this booklet.

If you have difficulty in reading a question, put up your hand and the teacher-in-charge will read it to you.

**INFORMATION FOR CANDIDATES**

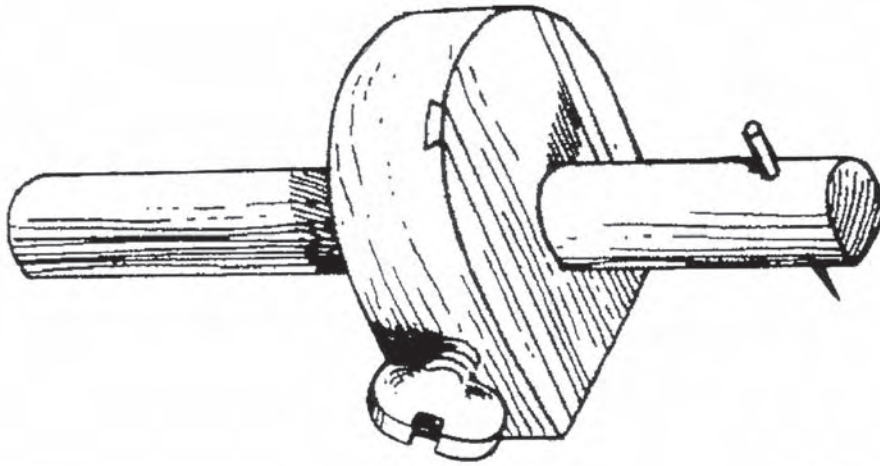
**Each** question carries **five** marks.

No certificate will be awarded to a candidate detected in any unfair practice during the examination.

*Answer all questions.*

*Underline or circle the correct answer or write in the spaces provided.*

1. The tool shown below is used in the Design and Technology room.



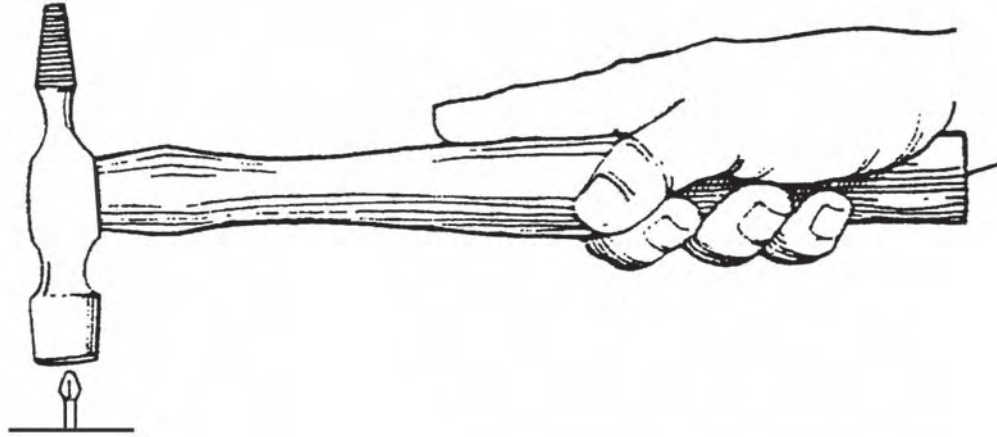
The tool shown is **one** (1) of the following:

- (a) Sliding bevel;
- (b) Mortise gauge;
- (c) Panel gauge;
- (d) Marking gauge.

**Underline** the correct answer.

[5]

2. The tool shown below is used to drive a nail into a piece of wood.



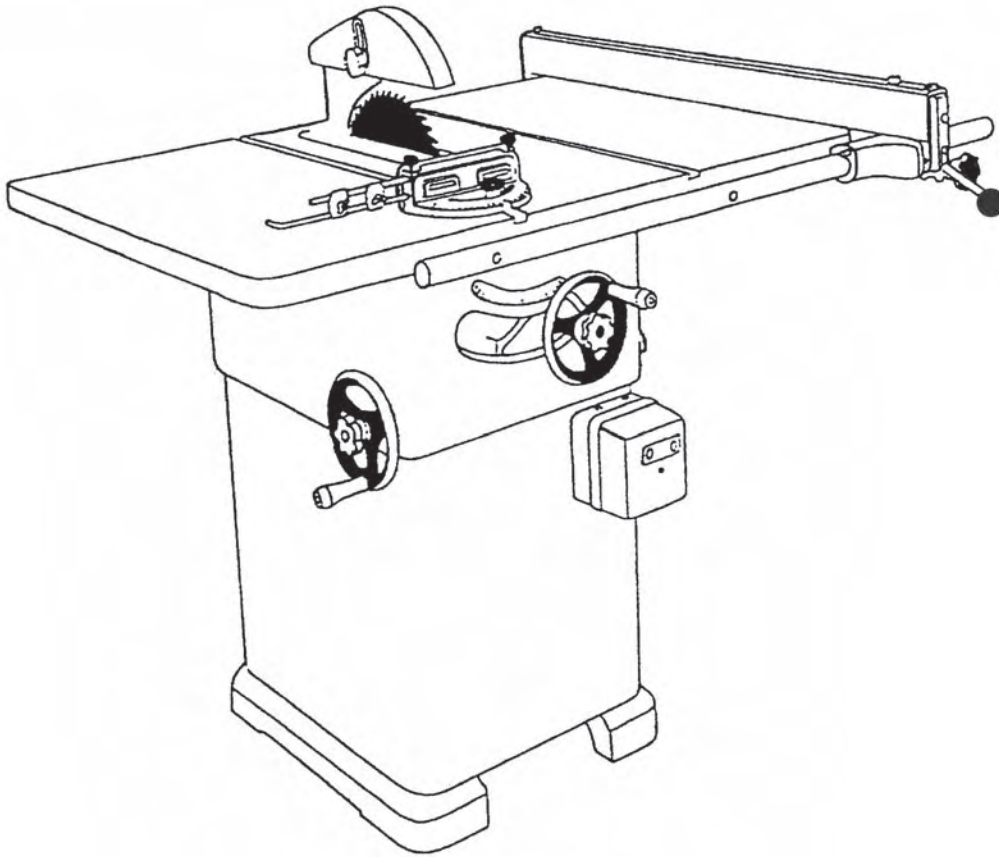
The tool shown above is **one** (1) of the following:

- (a) Mallet;
- (b) Warrington hammer;
- (c) Toffee hammer;
- (d) Claw hammer.

**Underline** the correct answer.

[5]

3. The machine tool shown below is used in the Design and Technology room.



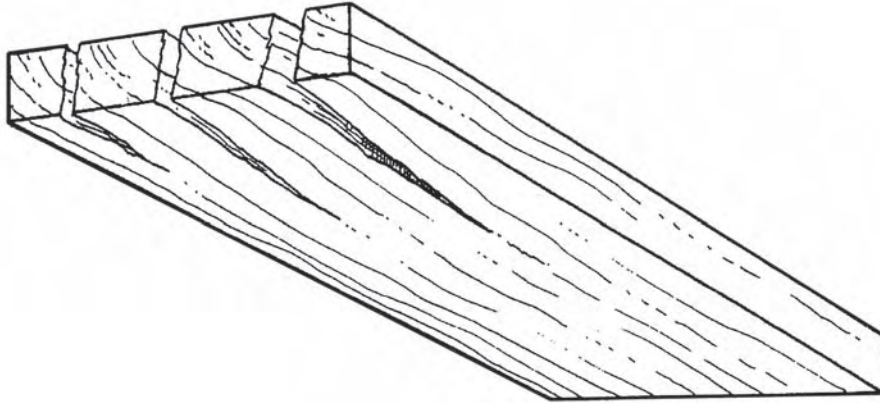
The machine tool shown above is **one** (1) of the following:

- (a) Wood turning lathe;
- (b) Bandsaw;
- (c) Router;
- (d) Circular saw.

**Underline** the correct answer.

[5]

4. The sketch below shows a defect (fault) in the end of a plank of wood.



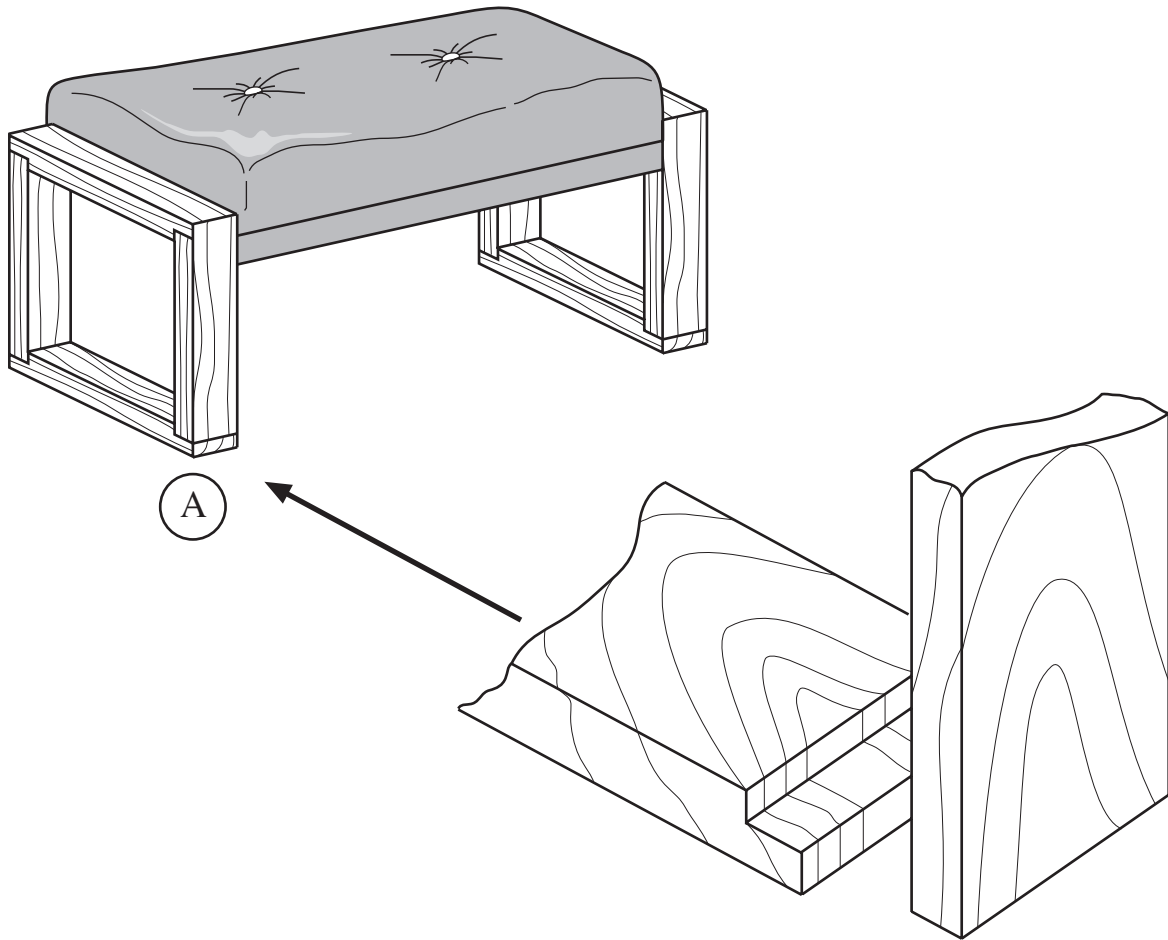
The defect (fault) in the end of the plank of wood is **one** (1) of the following:

- (a) Nasty splits;
- (b) Thunder shake;
- (c) End splits;
- (d) Star shake.

**Underline** the correct answer.

[5]

5. The sketch below shows a small stool and an enlarged view of the joint at (A) .



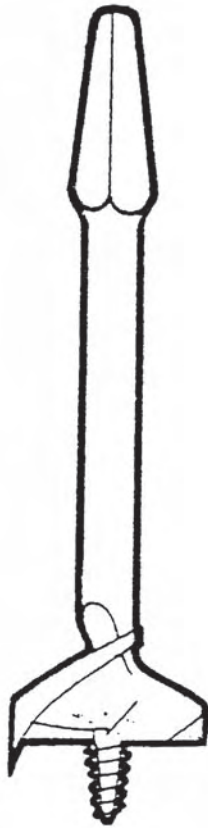
The joint at (A) is **one** (1) of the following:

- (a) Mitre joint;
- (b) Dowel joint;
- (c) Rebate joint;
- (d) Butt joint.

**Underline** the correct answer.

[5]

6. The tool shown below is used to make holes in wood.



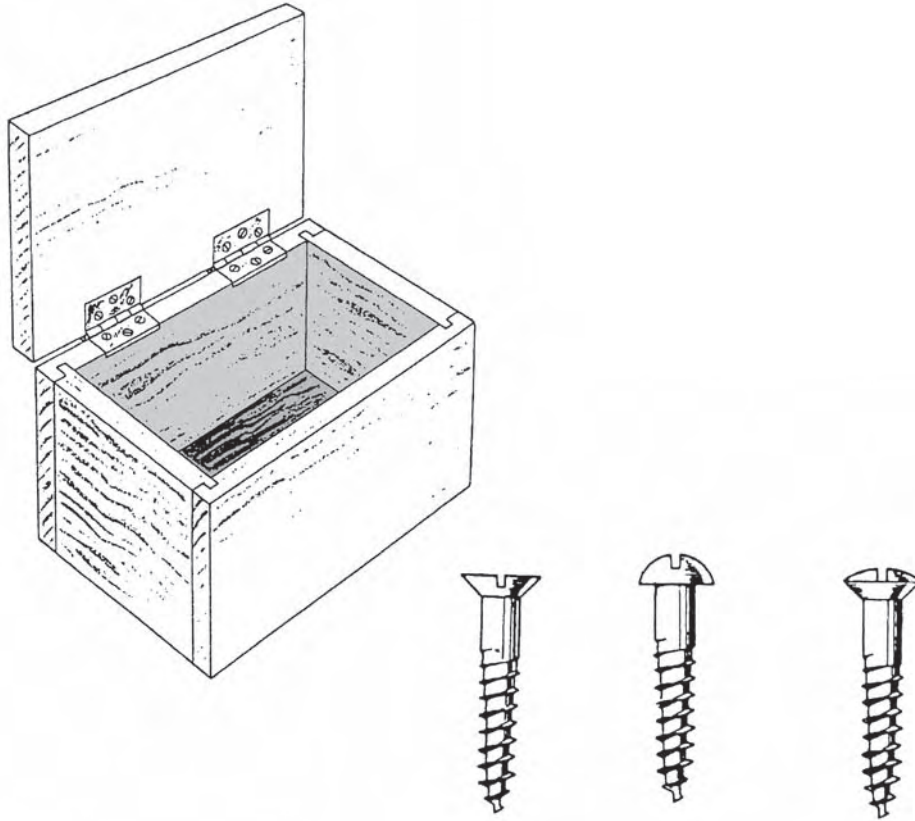
The tool shown is **one** (1) of the following:

- (a) Twist bit;
- (b) Centre bit;
- (c) Flat bit;
- (d) Hole bit.

**Underline** the correct answer.

[5]

7. The sketches below show a box with a hinged lid and **three** (3) types of screw.

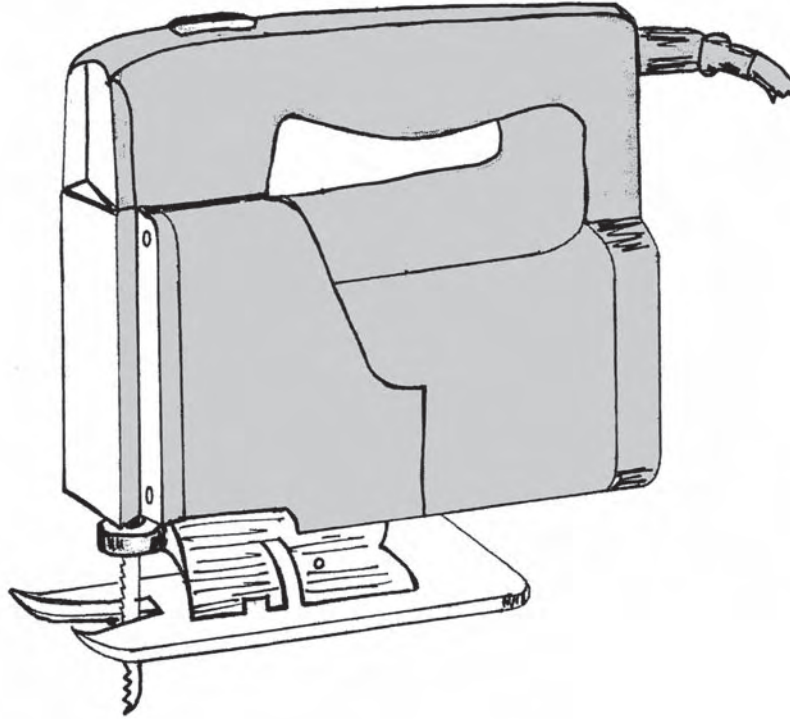


- (a) **Circle** the type of screw you would use to attach the hinge to the box. [2]
- (b) **Write** the name of the screw on the line below.

The screw is called a ..... [3]



8. The sketch below shows a Jig Saw.



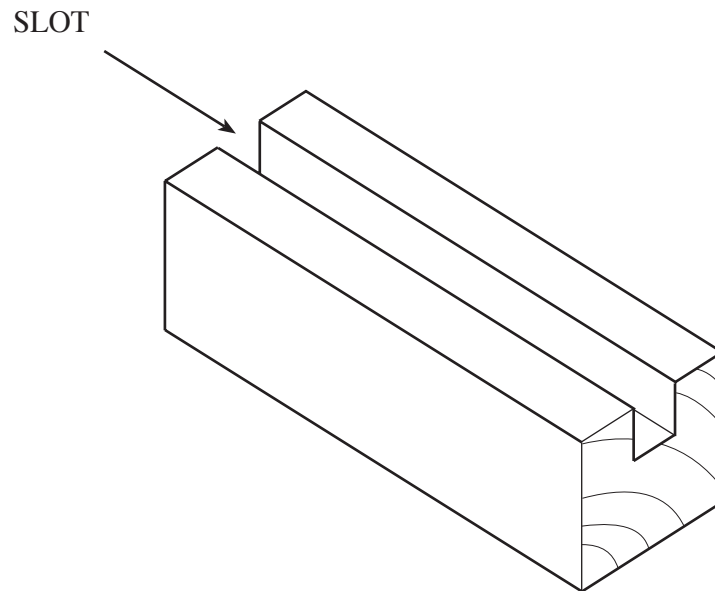
The Jig Saw is used for **one** (1) of the following:

- (a) cutting chamfers;
- (b) cutting curves;
- (c) cutting logs to size;
- (d) planing wood to size.

**Underline** the correct answer.

[5]

9. The sketch below shows a piece of wood with a slot cut in it.



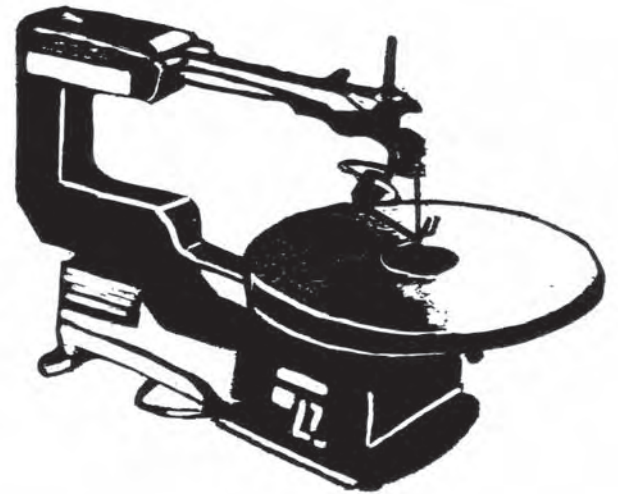
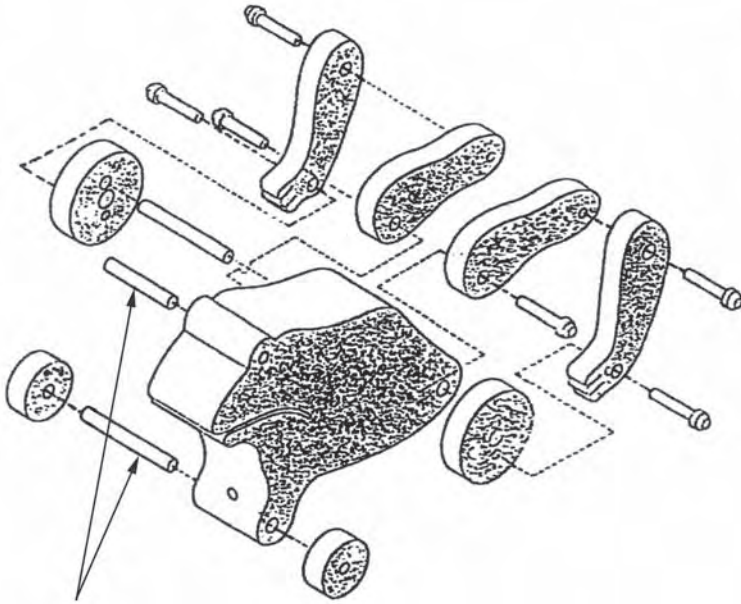
This is called **one** (1) of the following:

- (a) Cut corner;
- (b) Rebate;
- (c) Bevel;
- (d) Groove.

**Underline** the correct answer.

[5]

10. The sketch below shows wooden toy parts and a mechanical saw.



**Axles**

(a) Name the mechanical saw used to cut out the parts of the wooden toy.

**Write** the name of the saw on the line below.

The saw is called a .....

[3]

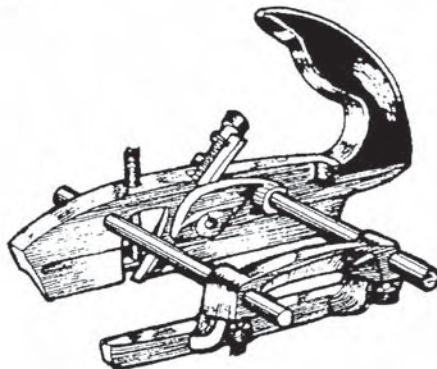
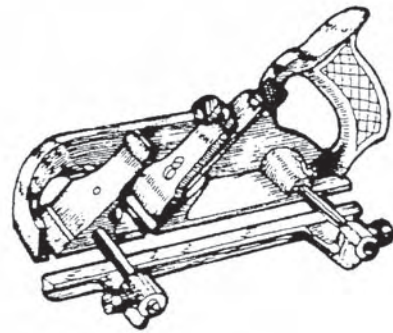
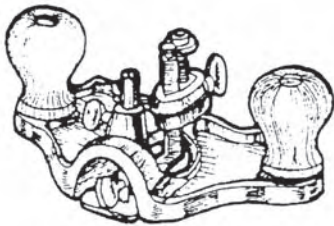
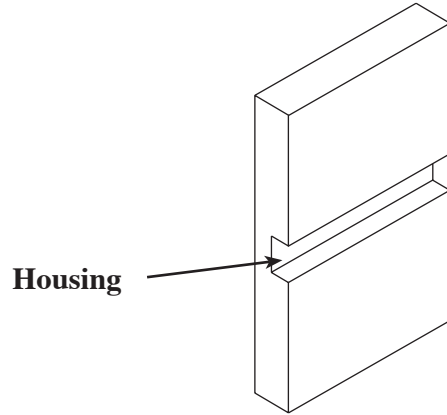
(b) Name a suitable material you could use to make the axles.

**Write** the name of the material on the line below.

The material used to make the axles is called .....

[2]

11. The sketches below show a housing and **three** (3) types of plane.



(a) **Circle** the plane you would use to make the housing.

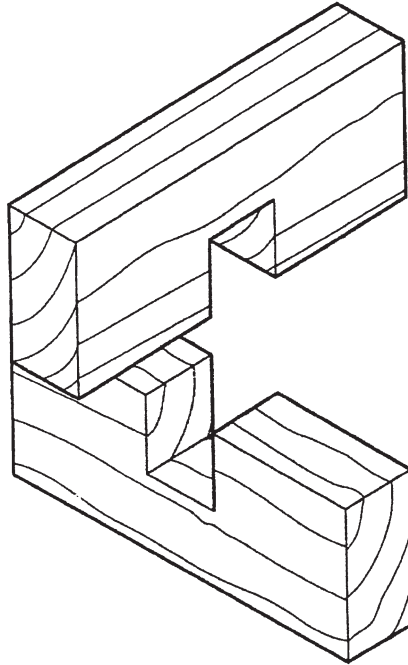
[2]

(b) **Write** the name of the plane on the line below.

The plane is called a .....

[3]

12. The sketch below shows a joint.



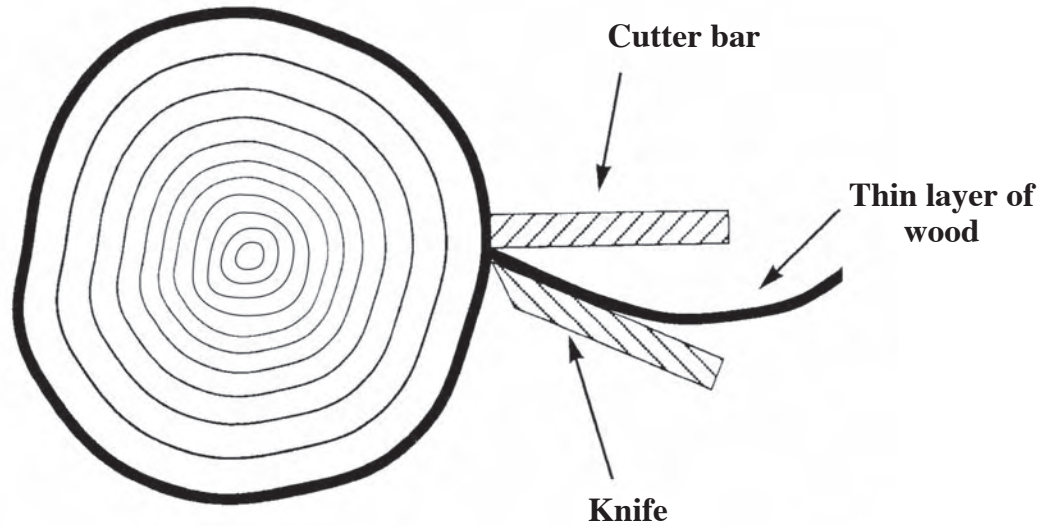
The joint shown above is **one** (1) of the following:

- (a) Cross halving joint;
- (b) Bridle joint;
- (c) Mortise and tenon joint;
- (d) Housing joint.

**Underline** the correct answer.

[5]

13. The sketch below shows a thin layer of wood being cut from a log.



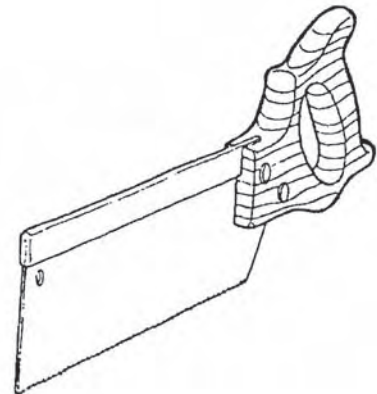
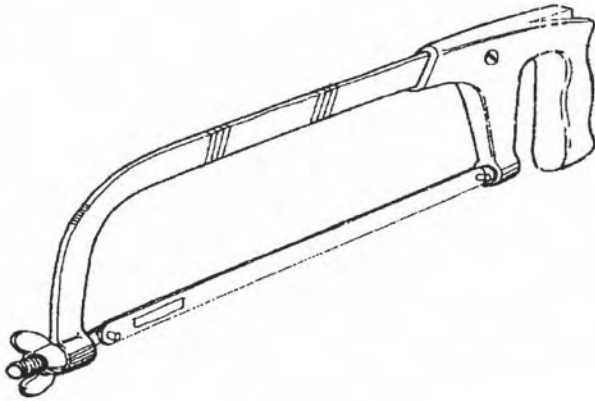
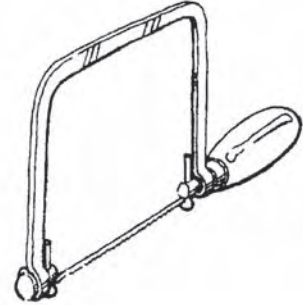
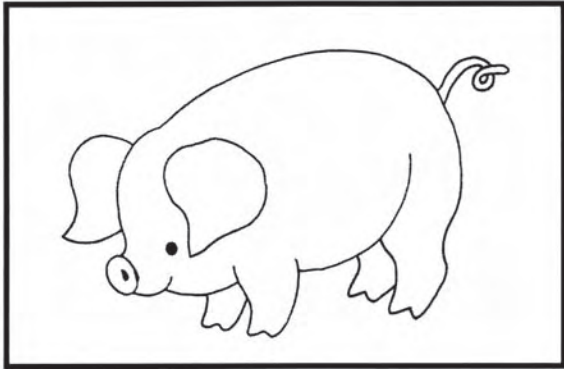
The thin layer of wood being cut from the log is called **one** (1) of the following:

- (a) Veneer;
- (b) Cut wood;
- (c) Strips;
- (d) Sheets.

**Underline** the correct answer.

[5]

14. The sketches below show **three** (3) types of saw and a puzzle cut out of thin MDF.

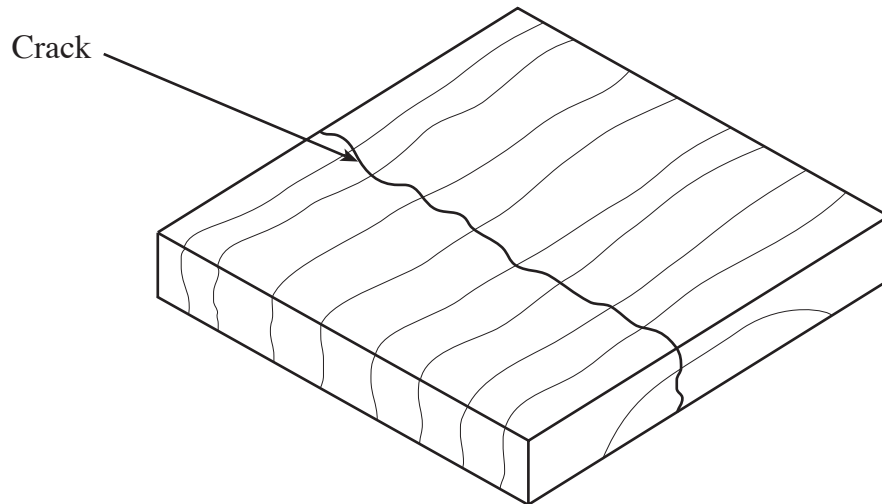


(a) **Circle** the saw you would use to cut out the puzzle. [2]

(b) **Write** the name of the saw on the line below. [3]

The saw is called a .....

15. The sketch below shows a crack across a plank of wood.



This crack is called **one** (1) of the following:

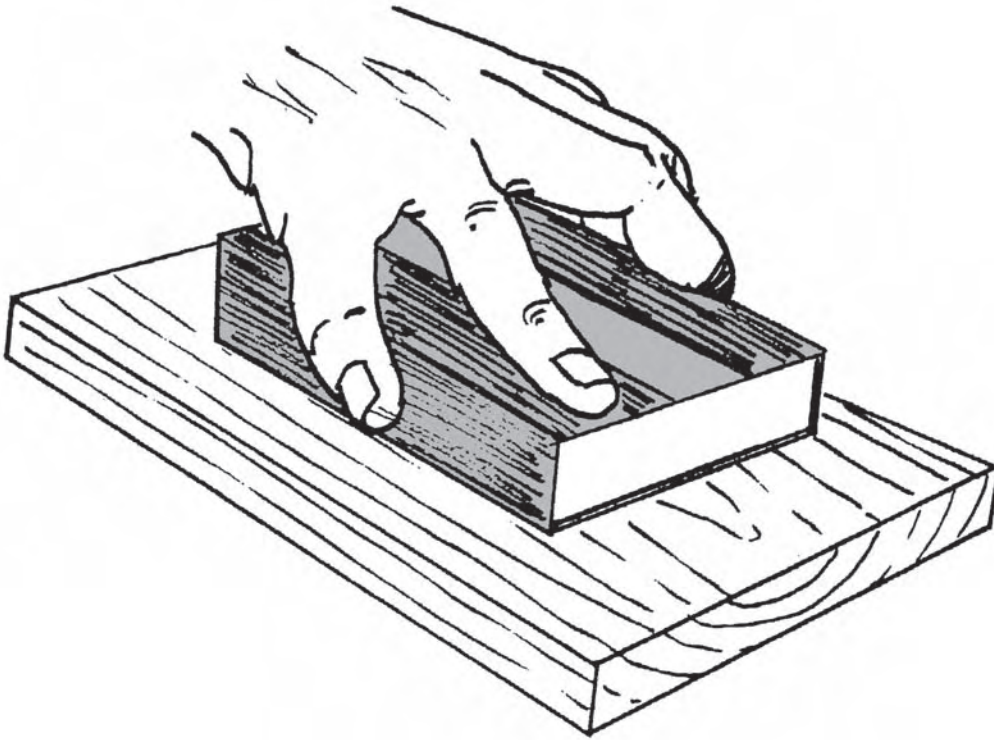
- (a) Star shake;
- (b) Thunder shake;
- (c) Cup shake;
- (d) Wavey line.

**Underline** the correct answer.

[5]



16. The sketch below shows a piece of abrasive paper, wrapped around a block, being used to smooth a piece of wood.



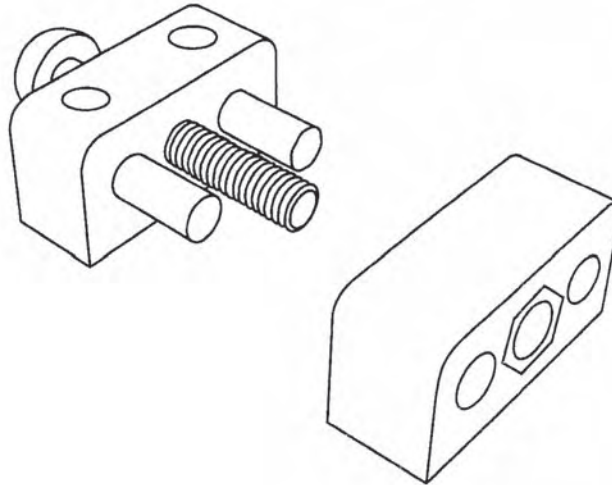
The abrasive paper wrapped around the block is called **one** (1) of the following:

- (a) Rough paper;
- (b) Glasspaper;
- (c) Emery Cloth;
- (d) Wire wool.

**Underline** the correct answer.

[5]

17. The sketch below shows a fitting which allows a cabinet to be taken apart.



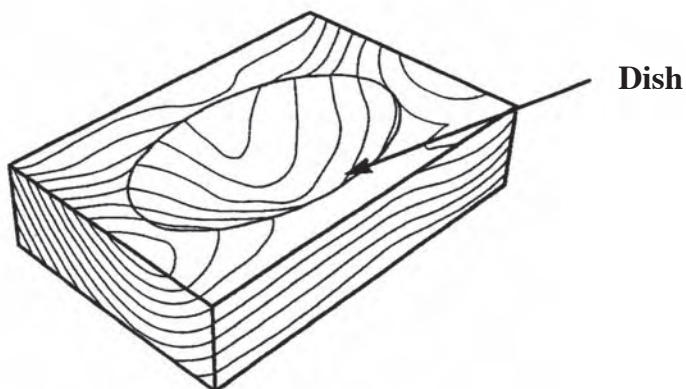
The fitting is called **one** (1) of the following:

- (a) Plastic block;
- (b) K.D. fitting (Knock down fitting);
- (c) Screwed block;
- (d) Shelf joiner.

**Underline** the correct answer.

[5]

18. The sketches below show **three** (3) cutting tools and a small dish cut out of wood.

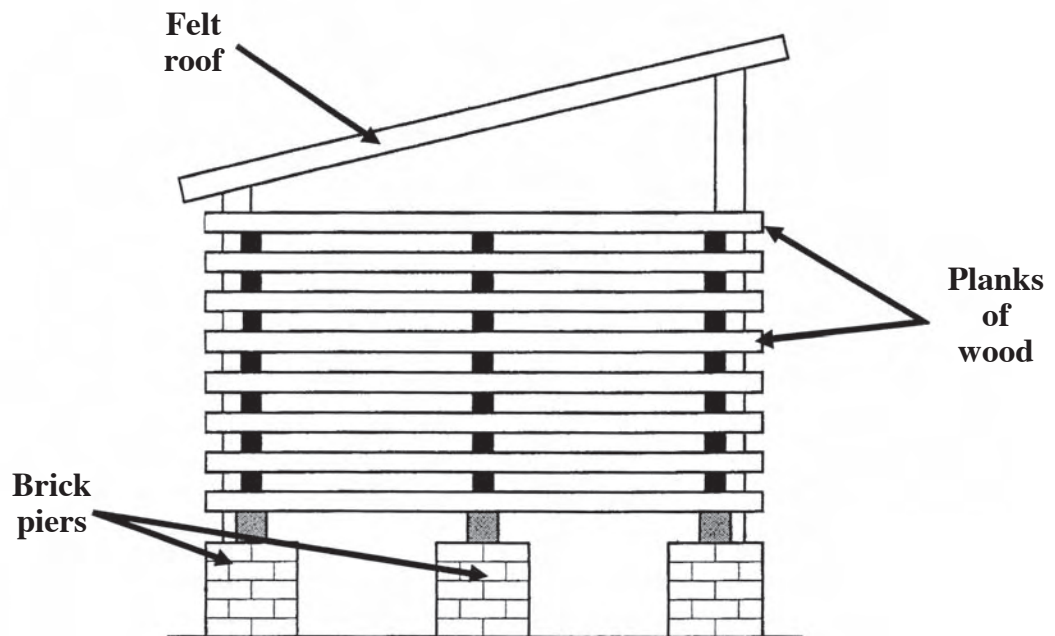


(a) **Circle** the tool you would use to cut out the dish. [2]

(b) **Write** the name of the tool on the line below. [3]

The tool is called a .....

19. The sketch below shows a method of drying timber.



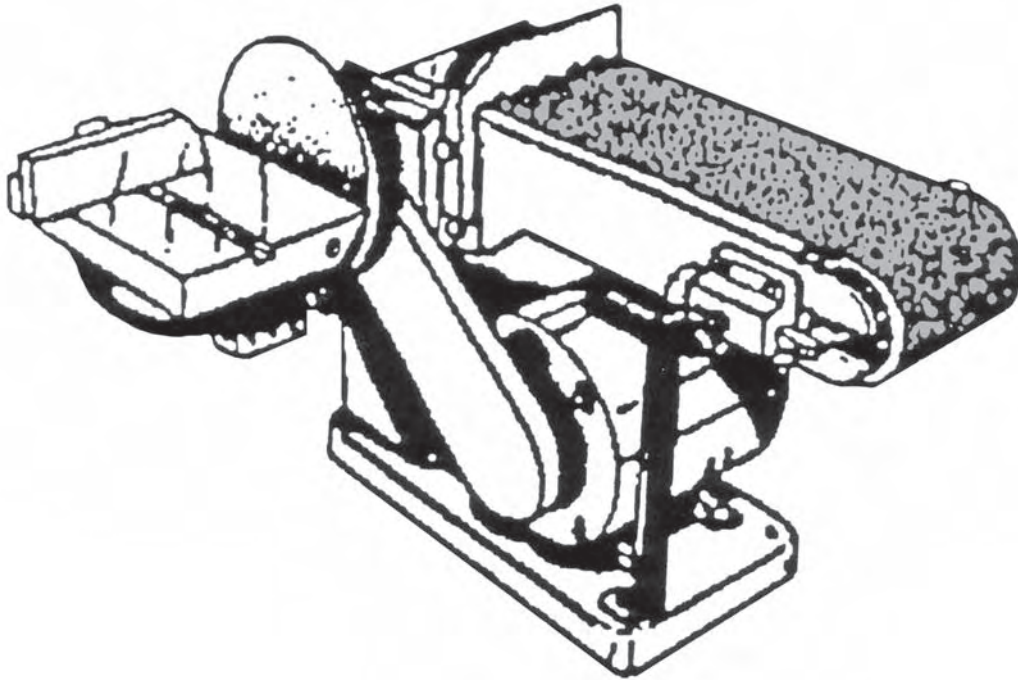
This method of drying timber is called **one** (1) of the following:

- (a) Kiln drying;
- (b) Slow drying;
- (c) Air drying;
- (d) Shed drying.

**Underline** the correct answer.

[5]

20. The tool shown below is used to sand timber. The guards have been removed.



On the lines below, **write** down **five** (5) safety rules you should take when using the sanding machine. [5]

- (i) .....
- .....
- (ii) .....
- .....
- (iii) .....
- .....
- (iv) .....
- .....
- (v) .....
- .....