

Centre Number	Candidate Number	Candidate Name
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NAMIBIA SENIOR SECONDARY CERTIFICATE

WOODWORK ORDINARY LEVEL

6190/1

PAPER 1

2 hours

Marks 100

2022

Additional Materials: Non-programmable calculator

INSTRUCTIONS AND INFORMATION TO CANDIDATES

- Write your Centre Number, Candidate Number and Name in the spaces at the top of this page and on all separate answer sheets used.
- Write in dark blue or black pen.
- You may use a soft pencil for any rough work, diagrams or graphs.
- You may use a non-programmable calculator.
- Do not use correction fluid.
- Do not write in the margin *For Examiner's Use*.
- You may use blank pages for working drawings or when answers are crossed out and corrected.
- The number of marks is given in brackets [] at the end of each question or part question

For Examiner's Use

Section A	
Section B	
Total	

Marker

Checker

This document consists of **19** printed pages and **1** blank page.



Republic of Namibia

MINISTRY OF EDUCATION, ARTS AND CULTURE

SECTION A

Answer **all** the questions.

1 Fig. 1 shows a woodwork machine being used.



Fig. 1

(a) (i) Name the woodwork machine shown in Fig. 1.

..... [1]

(ii) State **two** hazards that can lead to serious injuries when using the machine shown in Fig. 1.

1

.....

2

..... [2]

(iii) List **two** Personal Protective Equipment (PPE) needed when cutting wood on a circular saw.

1

2..... [2]

(iv) Explain the following acronyms.

MDF [1]

ABC.....

..... [1]

(b) State a reason why electrical equipment should be earthed.

.....

..... [1]

2 Fig. 2 shows a hand tool.

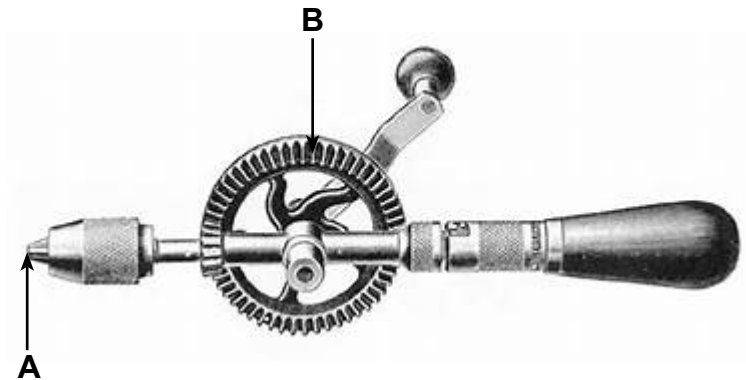


Fig. 2

(a) Using a tick, [✓] identify the hand tool shown in Fig. 2.

Hand drill

Ratchet brace

Breast drill

[1]

(b) Name the parts labelled A and B in Fig. 2.

A [1]

B [1]

(c) Fig. 3 shows a hand tool.

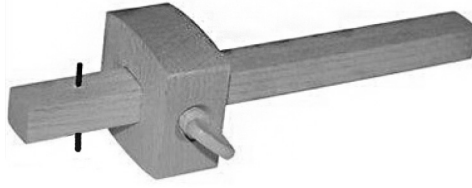


Fig. 3

(i) Identify the tool shown in Fig. 3.

..... [1]

(ii) State one use for a tool in Fig. 3.

..... [1]

3 Fig. 4 shows a portable power tool.



Fig. 4

State **two** uses of the portable power tool shown in Fig. 4.

1.....

.....

2.....

.....

[2]

4 Fig. 5 shows a sketch of a cross halving joint.

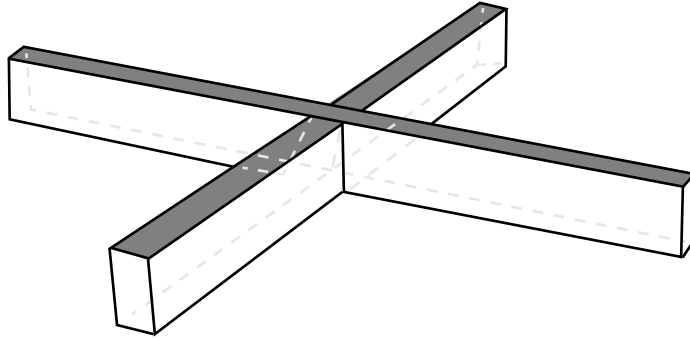


Fig. 5

Draw a free hand sketch to proportion in exploded isometric view of the joint shown in Fig. 5.

[4]

5 Fig 6. shows a common defect in timber.



Fig. 6

Give the correct name for this defect.

.....

[1]

6 In the space provided draw a neat diagram showing the grain direction and composition of block board.

[3]

7 State **two** reasons why sanding sealer is applied to wood.

1.....

.....

2.....

.....

[2]

8 Fig. 7 shows a clamp.

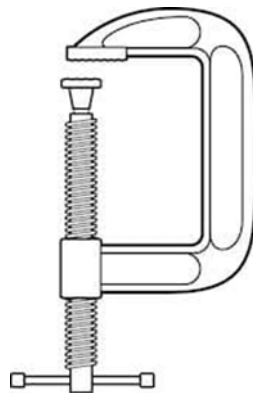


Fig. 7

Name the clamp shown in Fig. 7.

.....

[1]

9 Fig. 8 shows a hinge.



Fig. 8

Name the hinge shown in Fig. 8.

.....

[1]

10 State the job role of a carpenter.

.....
.....
.....
.....
.....
.....
.....

[3]

[30]

SECTION B

11 (a) (i) Describe the felling process of trees.

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[5]

(ii) Explain the following two methods of seasoning.

Air drying method

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.....
.....
.....

[3]

Kiln method

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.....
.....
.....
.....
.....
.....

[3]

13 Fig. 9 shows a ledged, braced and batten door.

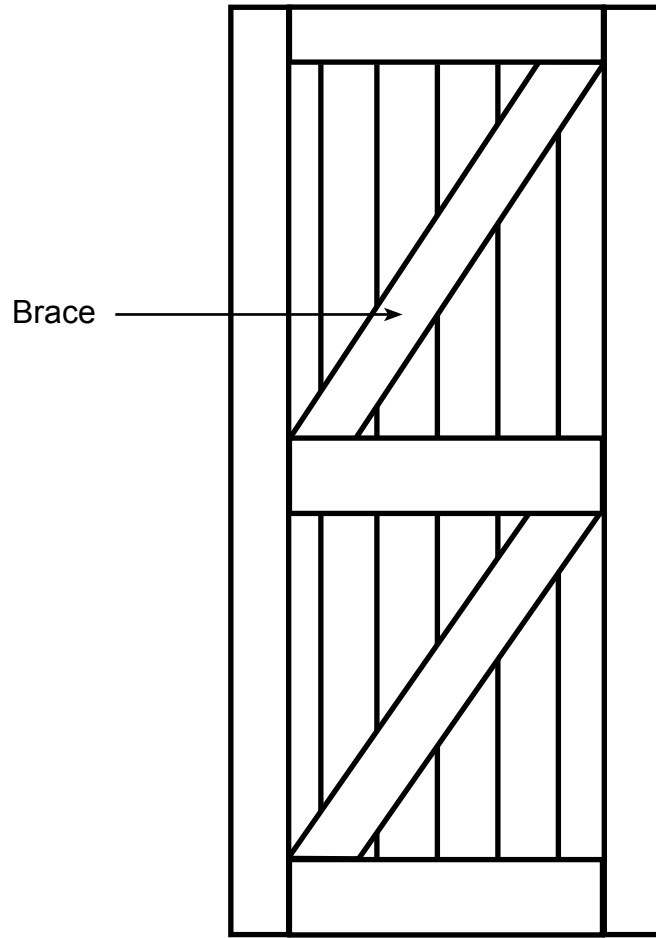


Fig. 9

(a) Identify the function of the brace as indicated on the door in Fig. 9.

.....
.....

[2]

(b) Fig. 10 shows a framed, ledged, braced and batten door.

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Use

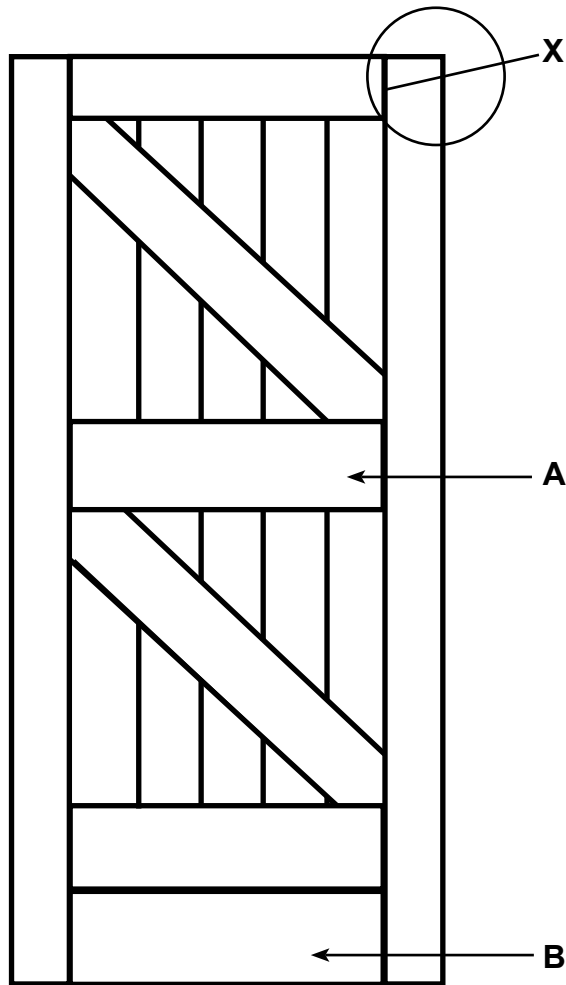


Fig. 10

- (i) Fig. 11 shows an exploded view of a top rail and stile.

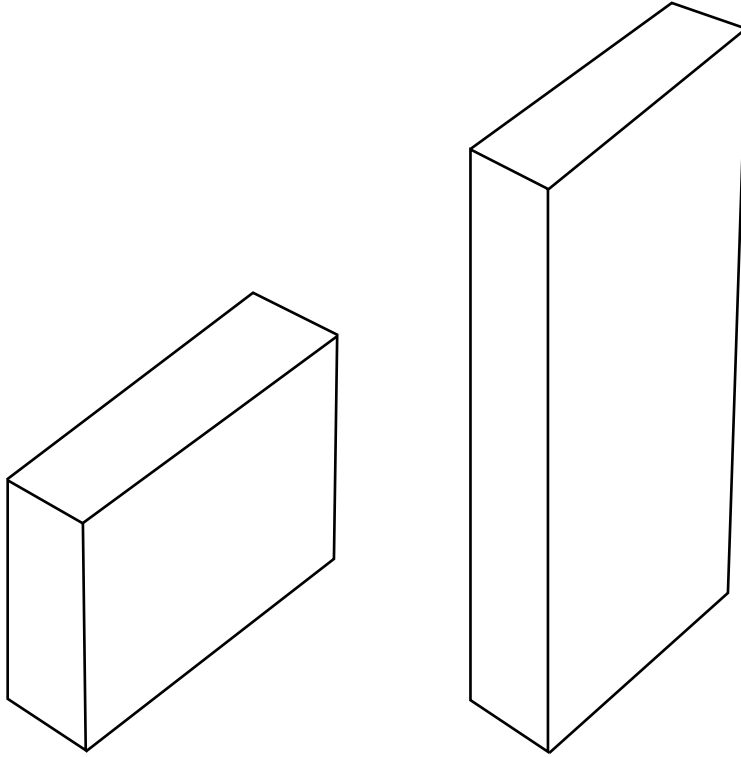


Fig. 11

Draw a suitable joint of **X** on the blanks of Fig. 11 to joint the top rail with the stile. Show all hidden details.

(ii) State **three** hand tools that could be used to make the joint on Fig. 10.

1

2

3

[3]

(iii) Identify the parts labelled **A** and **B** in Fig. 10.

A

B

[2]

(iv) Identify **one** suitable soft wood that could be used to make the door and state **two** reason for your choice.

Suitable wood:.....

.....

[1]

Reason:1

.....

Reason 2.....

.....

[2]

(c) (i) Wood stains are often used on doors before the application of varnish. State **three** reasons why stain might be used on the door.

1

.....

2

.....

3

.....

[3]

(ii) Describe the process to apply varnish to the door.

.....

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.....

[6]

15 (a) Fig. 12 shows a hand tool.



Fig. 12

(i) State the correct name and **two** uses for the hand tool shown in Fig. 12.

Name..... [1]

Uses:

1
.....

2
..... [2]

(ii) Fig. 13 shows a steel brush.



Fig. 13

Describe in detail how to clean a clogged file with a steel brush.

.....

.....

.....

.....

.....

.....

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.....

.....

[5]

(b) Fig. 14 shows a handle.



Fig. 14

(i) Name **one** solid wood suitable to produce a handle.

.....

[1]

(ii) State **one** reason for the metal ring (ferrule) on the handle labelled **X**.

.....

.....

[1]

(iii) Give **two** reasons why the file should not be used without a handle.

1

.....

2

.....

[2]

(iv) Identify by ticking [✓] the correct stationary machine that should be used to produce the round profile of the file handle.

Lathe

Circular saw

Radial arm saw

[1]

- (c) Differentiate between hardwood trees and softwood trees regarding seeds and leaves by completing the table.

	Hardwood trees	Softwood trees
Seeds		
leaves		

[4]

[70]

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