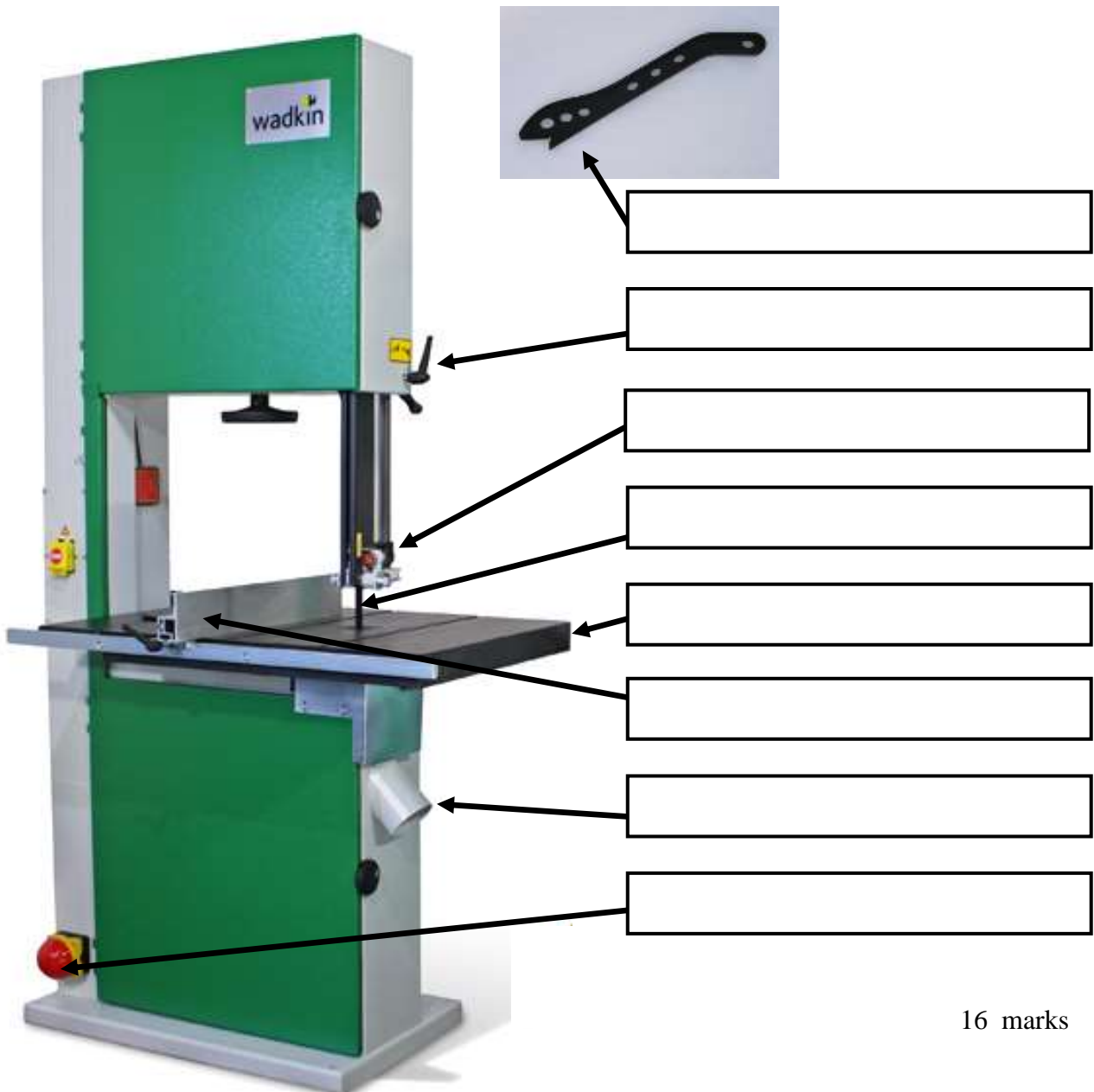


Band Saw Theory Test

Name of Student	
Class	
Grade	

NOTE: Students must achieve 80% or higher to pass the test

1 Label the parts of the Band Saw from the following list:
(Guard, Locking Screw, Table, Blade, Dust Extractor Connection, Emergency Stop, Fence , Push Stick)



1. What is the most important piece of Personal Protective Equipment (PPE) that must be worn at all times when using the Band Saw?

12 marks

2. Outline three safety measures that must be undertaken before using the Band Saw?

15 marks

3. Is it important to keep the blade guard as low as possible to the material being cut? Give a reason for your answer.

13 marks

4. What can happen to the blade if material is pushed too quickly into the Band saw?

12 marks

NOTE: The following questions are all multiple choice. Please place a tick/mark in the box beside the answer you feel is the **most suitable**.

5. What is the maximum height the guard should be set above the work piece?

- ☐ A: 10mm
- ☐ B: 20mm
- ☐ C: 30mm
- ☐ D: Depends on the

8 marks

6. What should you do in a situation where the Band Saw blade breaks?

- ☐ A: Push the Emergency Stop and change the blade
- ☐ B: Push the Emergency Stop Button and remove the blade from the
- ☐ C: Push the Emergency Stop Button and alert the teacher
- ☐ D: Move away from the machine quickly

8 marks

7. When should you clean scrap waste from around the Band Saw?

- ☐ A: During the cutting process
- ☐ B: After the job process when machine is turned
- ☐ C: Depends on the type of wood you are using
- ☐ D: Once a week

8 marks

8. When cutting narrow lengths using the fence it is important to:

- ☐ A: Wear gloves to stop hands slipping
- ☐ B: Use Push Sticks
- ☐ C: Keep the guard 50mm from the workpiece
- ☐ D: Take off your safety goggles so you can see clearer

8 marks

Date Test Completed:

Student Signature:

TO BE COMPLETED BY THE TEACHER

Student:

Pass

Fail

☐☐

Teacher Signature:

Date: