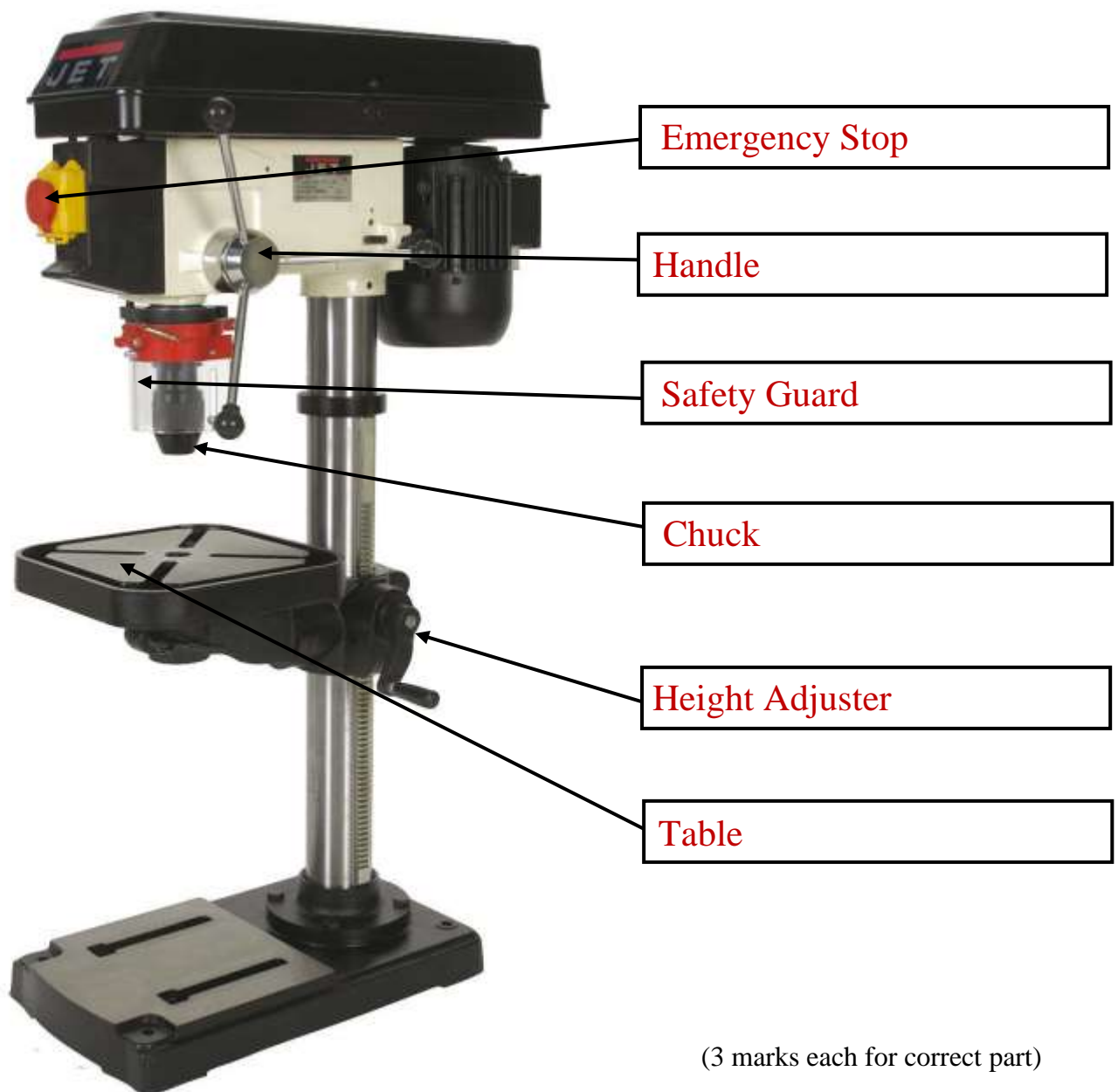


Pillar Drill Theory Test

Marking Scheme

1. Label the parts of the Pillar Drill from the following list:
(Height Adjuster, Safety Guard, Table, Chuck, Emergency Stop, Handle)



(3 marks each for correct part)

18 marks

2. What is the **most important** piece of Personal Protective Equipment (PPE) that must be worn at all times when using the Scroll saw?

- Safety Glasses

11 marks

3. Outline any **three** safety measures that must be undertaken before using the pillar drill?

- Put on Safety Glasses.
- Take off any jewellery.
- Tie up loose clothing and long hair.
- Roll up sleeves.
- Clamp the workpiece to the table

(5 marks for any three correct answers)

15 marks

4. After you have **hand** tightened the drill bit in the chuck what is the next step?

- The next step is to insert the chuck key into the chuck holes and tighten all 3 until tight

12 marks

5. What is the height adjuster used for?

- The height adjuster is used to move up and down the table

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**.

1. The pillar drill can be used for:

- ☐ A: Woodturning
- ☒ B: Drilling accurate holes that are perpendicular to the work piece
- ☐ C: Sharpening a blunt chisel
- ☐ D: All of the above

8 marks

2. Before turning on the pillar drill we must make sure that the workpiece is:

- ☒ A: Securely clamped down to the table
- ☐ B: Clean
- ☐ C: Completely sanded
- ☐ D: Knot free

8 marks

3. When the machine is running it is important to:

- ☒ A: Maintain full concentration and act safely
- ☐ B: Double check that the chuck is tight
- ☐ C: Start putting on your Personal Protective Equipment (PPE)
- ☐ D: Adjust the table height

8 marks

4. When lowering the drill bit into the work piece it is important to:

- ☐ A: Keep drilling once started
- ☒ B: Raise the drill bit up every few centimetres to allow waste escape
- ☐ C: Keep your left hand firmly on the work piece
- ☐ D: Take off your safety glasses so you can see clearer

8 marks