

# CAM QUESTIONS

**HELPFUL LINK:** <https://technologystudent.com/cams/cam1.htm>

1. Complete the following sentence:

A CAM changes \_\_\_\_\_ motion (a rotating motion) to \_\_\_\_\_ motion (one that moves in a straight line). They are found in many machines and toys. **2 marks**

2. Sketch and explain a simple CAM. Label the profile and follower. **6 marks**

SKETCH

EXPLANATION:

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3. Describe and sketch a device that has a CAM as part of its mechanism. **6 marks**

SKETCH

NOTES:

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4. Explain the following terms (**6 marks**):

**ONE CYCLE:** \_\_\_\_\_

\_\_\_\_\_

**DWELL:** \_\_\_\_\_

\_\_\_\_\_

**THE RISE:** \_\_\_\_\_

\_\_\_\_\_

5. Sketch the following types of follower ( **8 marks** ):

**FLAT FOLLOWER**

**POINT/KNIFE FOLLOWER**

**ROLLER FOLLOWER**

**OFFSET FOLLOWER**