

QUESTIONS AND ANSWERS

ENGINEERING AND MACHINES

PART ONE

This mobile revision pdf is based on detailed work found in the 'MATERIALS' and 'EQUIPMENT' sections.

Tap on the green and yellow link buttons below to go to the website.



Tap the blue button to view all work covered by this Revision PDF



QUESTIONS AND ANSWERS ENGINEERING AND MACHINES PART ONE

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HOW TO USE THIS REVISION PDF

Read and attempt answering each question, before following the link to a potential answer. Also, consider working in pairs.

QUESTIONS ONE TO FIVE

QUESTIONS SIX TO TEN

QUESTIONS ELEVEN TO SIXTEEN

**TAP / CLICK THE LINK
BUTTON FOR ALL
MOBILE APPS**



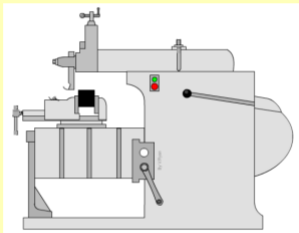
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QUESTION 1a

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This machine is called?

Tap the image a potential answer



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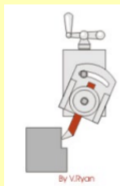
QUESTION 1b

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The tool post and top slide of the machine can be 'angled', as seen below.

What is the advantage of doing this?

Tap the image a potential answer



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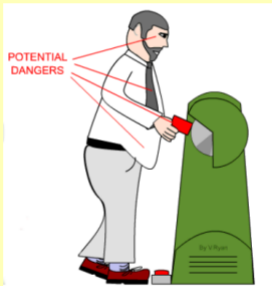


QUESTION 2a

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Describe the safety issues relating to the way the Polishing Machine is being use.

Tap the image a potential answer



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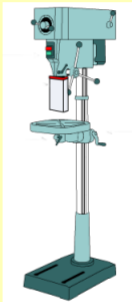


QUESTION 2b

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List 5 safety factors, linked to using this machine?

Tap the image a potential answer



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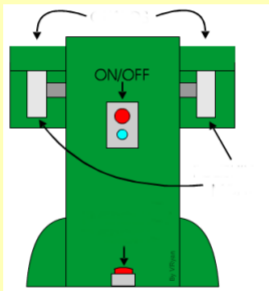


QUESTION 2c

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Name the three parts identified by the arrows?

Tap the image for a potential answer



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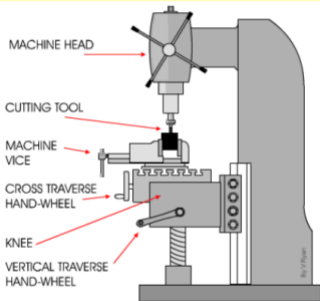


QUESTION 3a

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Name this machine

Tap the image for a potential answer



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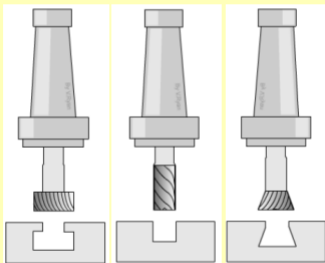


QUESTION 3b

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Name the three cutters.

Tap the image for a potential answer



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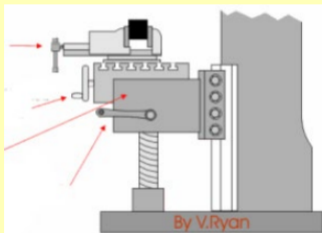
QUESTION 3c

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The machine can be adjusted in various ways.

Name the four 'parts' identified below.

Tap the image for a potential answer



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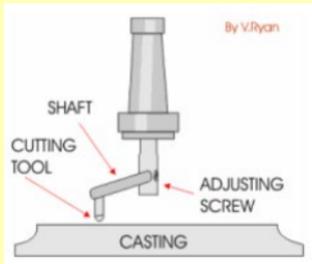


QUESTION 3d

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This is an unusual cutter.
What is it called?

Tap the image for a potential answer



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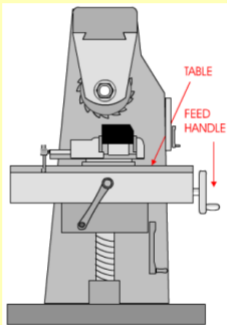


QUESTION 4a

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What is the name of this machine?

Tap the image for a potential answer



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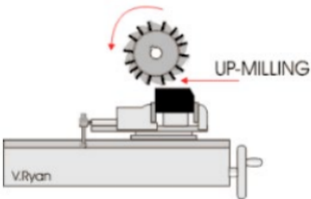


QUESTION 4b

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What is 'Up-milling'?

Tap the image for a potential answer



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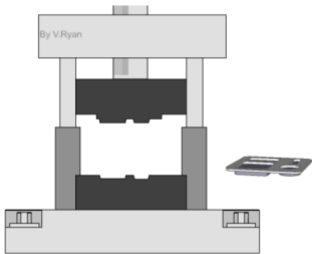
QUESTION 5

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Sheet metal can be formed by
'compression'.

Describe this process.

Tap the image for a potential answer



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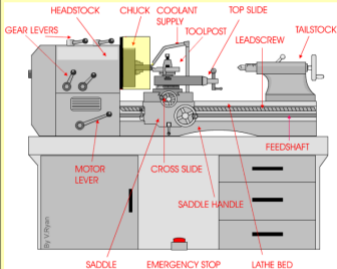


QUESTION 6a

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Name this machine.

Tap the image for a potential answer



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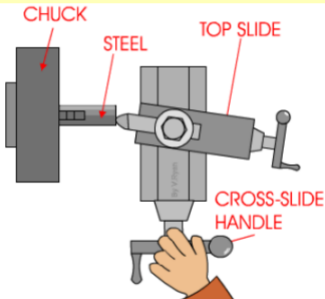


QUESTION 7a

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What is the name of this process?

Tap the image for a potential answer



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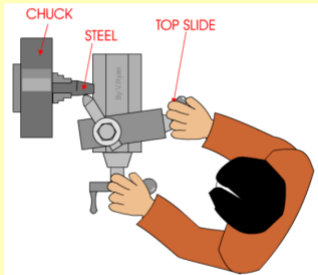


QUESTION 7b

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This is called 'turning a short taper'.
Describe the process

Tap the image for a potential answer



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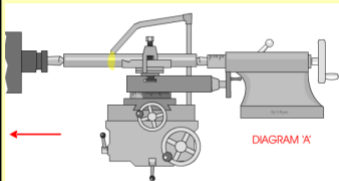


QUESTION 8a

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What is happening in the diagram below?

Tap the image for a potential answer



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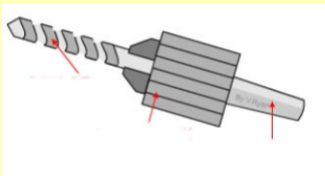


QUESTION 8b

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Name the parts identified by the arrows.

Tap the image for a potential answer



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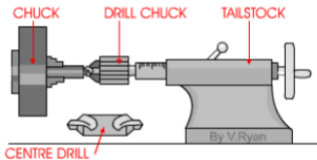
QUESTION 8c

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The diagram below shows the beginning of an important process.

Describe the process.

Tap the image for a potential answer



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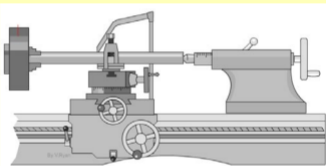


QUESTION 8d

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What is 'automatic traverse'?

Tap the image for a potential answer



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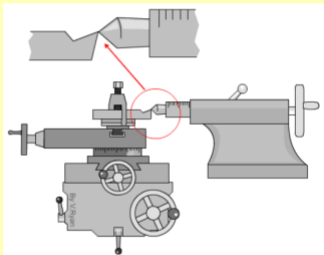


QUESTION 9

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Why is a lathe tool centred?

Tap the image for a potential answer



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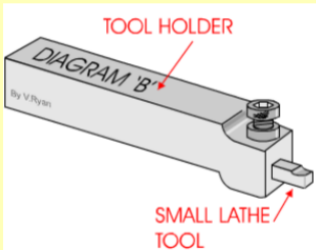


QUESTION 10a

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What is the advantage of a lathe tool holder?

Tap the image for a potential answer



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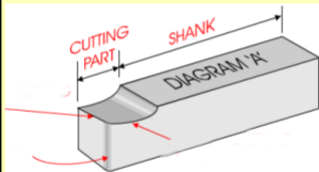


QUESTION 10b

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**Name the three parts of the
lathe tool.**

Tap the image for a potential answer



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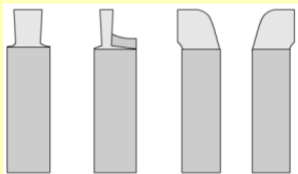
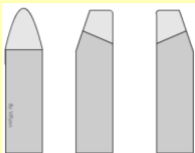


QUESTION 10c

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Name these cutting tools.

Tap the image for a potential answer



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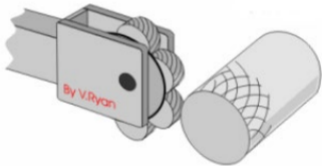


QUESTION 10d

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What is the process shown below?

Tap the image for a potential answer



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QUESTION 11

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The proper maintenance of a workshop machine is very important.

Why?

Tap the image for a potential answer



Tap the blue button for the next slide / page.



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QUESTION 12

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What is 'reactive maintenance'?

Tap the image for a potential answer



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QUESTION 13

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What daily checks should take place, before a workshop machine is used?

Tap the image for a potential answer



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QUESTION 14

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What weekly checks should take place, on a workshop machine?

Tap the image for a potential answer



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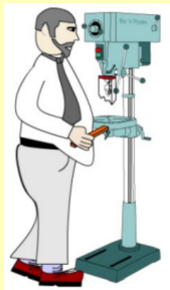


QUESTION 15

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What is wrong with the way the drilling machine is being used?

Tap the image for a potential answer



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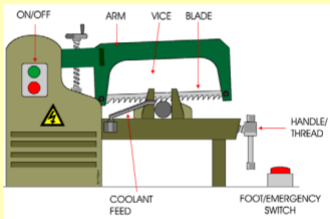


QUESTION 16

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**Name the machine below?
Describe its use.**

Tap the image for a potential answer



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