

**Question 1**  
Answer saved  
Marked out of 1.00  
Flag question

A measuring tool used for taking outside measurements:

Select one:

- a. Micrometer caliper
- b. Scriber
- c. Bevel protractor
- d. Dial indicator

**Question 2**  
Answer saved  
Marked out of 1.00  
Flag question

Metal saw has:

Select one:

- a. small pitch
- b. large pitch
- c. no difference
- d. coarse pitch

**3**  
the following lathe machine has missing parts . what is the missing Part in rectangle ?

**QUIZ NAVIGATION**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

Finish attempt ...  
Time left 0:05:42

Question 13  
Not yet answered  
Marked out of 1.00  
Flag question

In turning setting the tool to the desired depth is called

- Select one:
- a. Cutting motion
  - b. Feed motion
  - c. Cutting and feed motion
  - d. None of the above

b

Question 14  
Answer saved  
Marked out of 1.00  
Flag question

All the following operations are milling operation **except one**.

- Select one:
- a. End
  - b. Longitudinal
  - c. Slab
  - d. Face

Question 15  
Not yet answered  
Marked out of 1.00  
Flag question

Milling operation is

- Select one:
- a. Single tooth tool that produces a number of chips in two revolutions
  - b. Multitooth tool that produces a number of chips in two revolutions
  - c. Single tooth tool that produces a number of chips in one revolution
  - d. Multitooth tool that produces a number of chips in one revolution

b

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

Finish attempt ...

Time left: 0:07:15

Question 19

Not yet answered  
Marked out of 1.00

Flag question

cemented carbides is one of the materials used tool bits manufacturing one disadvantage of this material is

Select one:

- a. their strength
- b. their brittleness
- c. their ductility
- d. their toughness

C

Question 20

Not yet answered  
Marked out of 1.00

Flag question

High carbon tool steel are used :

Select one:

- a. for small quantity production
- b. for large quantity production
- c. for medium -quantity production
- d. none of the above

d

QUIZ NAVIGATION

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

Finish attempt ...

Time left 0:10:46

Previous page

Finish attempt ...

Question 16  
Answer saved  
Marked out of 1.00  
Flag question

Which is of the following is not **one** of chips type

Select one:

- a. continuous chip
- b. sheared chip
- c. build up edge chip
- d. peel off chip

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

Ends attempt ...

Time left 0:10:59

Question 17  
Not yet answered  
Marked out of 1.00  
Flag question

Two mechanical properties of metals:

Select one:

- a. Brittleness and ductility
- b. Scratch and hardness
- c. Strength and velocity
- d. Toughness and force

**a**

Question 18  
Not yet answered  
Marked out of 1.00  
Flag question

Steel is produced from pig iron by the use of:

Select one:

- a. Production process
- b. Blast furnace
- c. Bessemer process
- d. Heating furnace

**b**

**Question 10**  
Not yet answered  
Marked out of 1.00  
Flag question

The resistance to indentation by harder bodies is called hardness.

Select one:

- True
- False

**Question 11**  
Not yet answered  
Marked out of 1.00  
Flag question

Copper is a ferrous material.

Select one:

- True
- False

**Question 12**  
Not yet answered  
Marked out of 1.00  
Flag question

Milling cutters have one cutting edge.

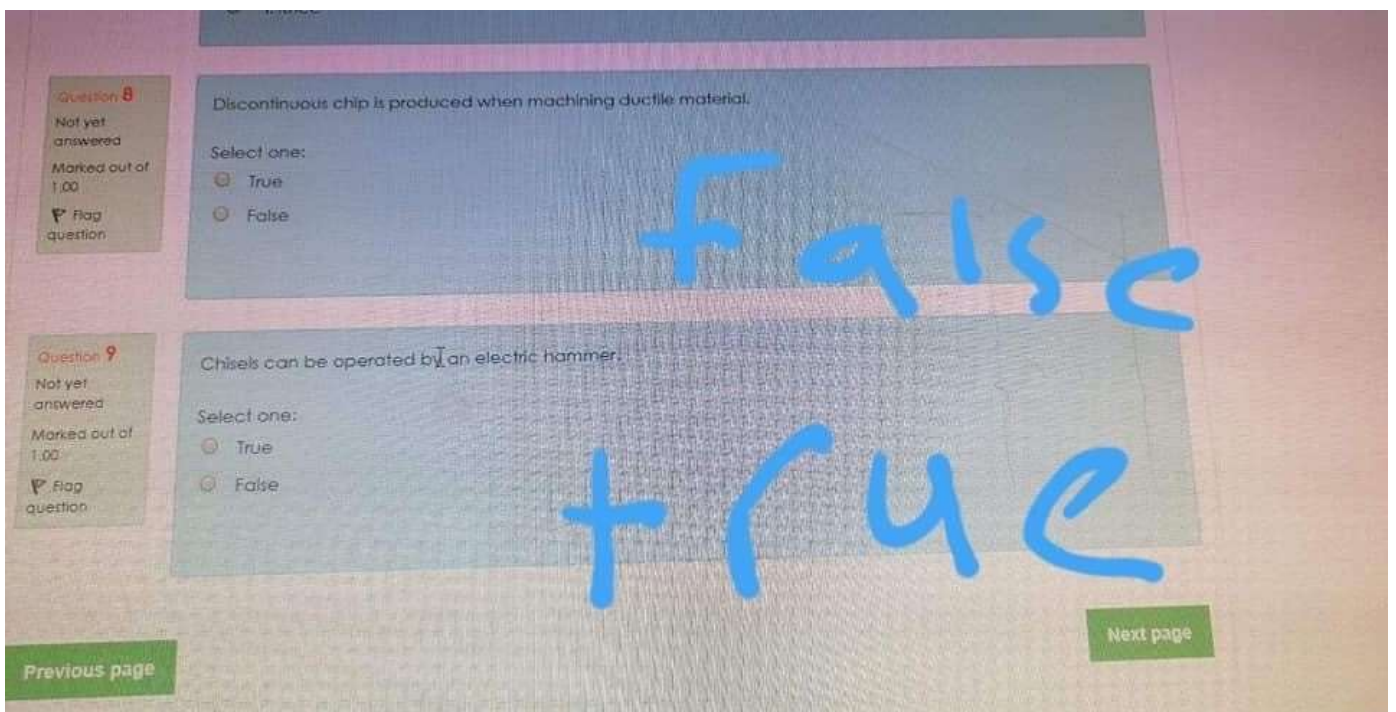
Select one:

- True
- False

**QUIZ NAVIGATION**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

Finish attempt ...  
Time left 0:18:45



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4) A process that is used to enable the steel to cut other materials is called:

- a) Annealing
- b) Normalizing
- c) Hardening
- d) tempering

5) Tool life can be increased by:

- a) small rake angle
- b) large angles
- c) proper feed
- d) All of the above

6) a tool used for testing external dimension

- a) snap gauge
- b) feeler gauge
- c) inside micrometer
- d) plug gauge

7) used as a support when marking out shafts:

- a) Try square
- b) template
- c) Scriber
- d) V block

**BIRZEIT UNIVERSITY**  
**MECHINICAL ENGINEERING DEPARTMENT**  
**WORKSHOP-ENME 120**

**Quiz 1**

1) An alloy is a metal that has a combination of:

- a) Ferrous material and nonferrous materials
- b) Ferrous materials and non-metallic materials
- c) ferrous material and carbon
- d) all of the above

2) The resistance to indentation by harder bodies is:

- a) Elasticity
- b) Brittleness
- c) Strength
- d) toughness
- e) hardness

3) Raw materials used to charge the blast furnace:

- a) coal
- b) magnetite
- c) Ferrite
- d) Ferrous



A material that is not used often in the manufacturing of products:

- a. Bronze
- b. Stainless steel
- c. Pure state metal
- d. Cast iron

The ability to resist the application of force without rupture is:

- a. Elasticity
- b. Brittleness
- c. Strength
- d. Toughness
- e. ductility

Steel is produced from pig iron by the use of:

- a. Bessemer process
- b. Heating furnace
- c. Blast furnace
- d. Production process

Refining the structure after forging, welding, casting, cold working is called:

- a. Annealing
- b. Normalizing
- c. Hardening
- d. Tempering

A factor that affects the accuracy of a measuring instrument is:

- a. Line catching
- b. Paradox
- c. Elastic hardness
- d. Temperature

1. Tools may have
  - a. Single cutting edge
  - b. Two cutting edge
  - c. Several cutting edge
  - d. All of the above

2. metal saw has :

- a. small pitch
- b. coarse pitch
- c. large pitch
- d. no difference

3. one of these factors dose not play role in *increasing the tool life*

- a. proper feed and speed
- b. proper cooling
- c. proper angle
- d. none of the above

4. Pneumatic hammer is operated by

- a. compressed oil
- b. compressed air
- c. electrical current
- d. magnetic field

5. all the followings are parts of an arbor except one :

- a. spacer
- b. milling cutter
- c. drive
- d. flutes

6. rake angle is to
- help the tool pushing off the chip
  - help the tool peels off the chip
  - help the tool cutting off the chip
  - none of the above
7. Drilling has
- Two motions
  - Three motions
  - One motion
  - None of the above
8. Feeding motion in turning means
- Rotating motion of the work
  - The tool traveling longitudinal to the work axis
  - The tool traveling a cross to the work axis
  - The tool traveling either longitudinal or cross to the work-axis
9. Milling operation is
- Multitooth tool that produces a number of chips in one revolution
  - Multitooth tool that produces a number of chips in two revolutions
  - Singletooth tool that produces a number of chips in one revolution
  - Single tooth tool that produces a number of chips in two revolutions
10. All the following operations are milling operation except one
- Slab
  - End
  - Longitudinal
  - Face

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  - Longitudinal
  - Face

Q2) Name the five parts of the carriage in lathe machine

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Q3) Name the five turning processes

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Q4) Name the parts of the following drilling machine

- a)
- b)
- c)

Q 2) Name the five parts of the carriage in lathe machine

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- 

Q 3) Name the five turning processes

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- 
- 
- 

Q 4) Name the parts of the following drilling machine

- a)
- b)
- c)
- d)
- e)
- f)
- g)

Q 2) Name the five parts of the carriage in lathe machine

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- 
- 
- 

Q 3) Name the five turning processes

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- 
- 

Q 4) Name the parts of the following drilling machine

- a)
- b)
- c)
- d)
- e)
- f)
- g)

