

1). Which part of the universal surface gauge holds the scriber?

- (A) Snug
- (B) Guide pin
- (C) Rocker arm
- (D) Fine adjustment screw

Correct Answer: A

2). Which metal property permits no permanent distortion on before breaking?

- (A) Tenacity
- (B) Hardness
- (C) Brittleness
- (D) Toughness

Correct Answer: C

3). Which metal property can be drawn into the wire without any rupture?

- (A) Ductility
- (B) Tenacity
- (C) Elasticity
- (D) Malleability

Correct Answer: A

4). Which mechanical property of metal extends in all directions without rupturing during hammering?

- (A) Malleability
- (B) Ductility
- (C) Fusibility
- (D) Elasticity

Correct Answer: A

5). Which metal property can with stand shock or impact?

- (A) Tenacity
- (B) Hardness
- (C) Brittleness
- (D) Toughness

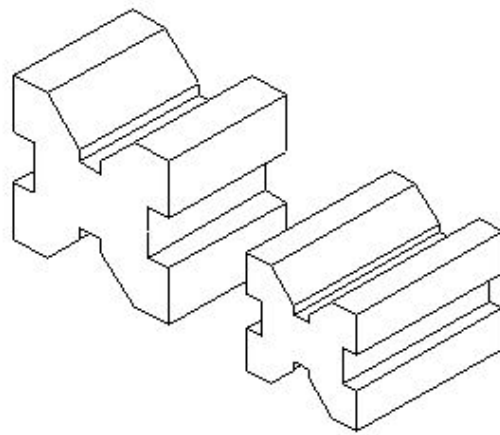
Correct Answer: D

6). What is the use of adjustable parallel blocks?

- (A) To set an angular job
- (B) To set the curved job
- (C) To hold the irregular shape of job
- (D) To adjust and set different heights

Correct Answer : D

7). Which type of "V" block is shown in the figure?



- (A) Single level single groove
- (B) Single level double groove
- (C) Double level single groove
- (D) Double level double groove

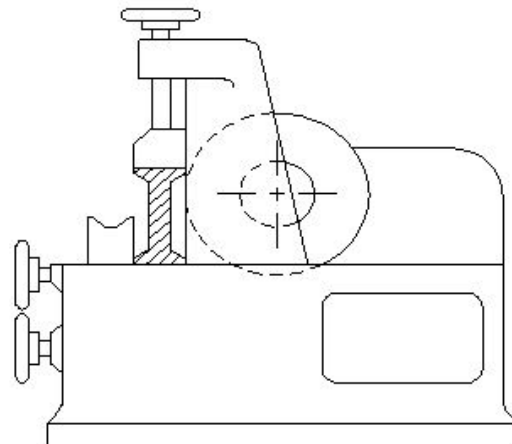
Correct Answer: C

8). Which mechanical property of metal has the ability to withstand wear and abrasion?

- (A) Toughness
- (B) Hardness
- (C) Brittleness
- (D) Malleability

Correct Answer: B

9). What is the name of the metal-cutting saws shown in the figure



- (A) Power saw
- (B) Horizontal band - saw
- (C) Circular saw
- (D) Contour saw

Correct Answer: C

10). Which material is used to manufacture Grade 'A' 'V' blocks?

- (A) Tool steel
- (B) Carbon steel
- (C) High quality steel
- (D) Closely grained cast iron

Correct Answer: C

11). Which part of a universal surface gauge is used to set scribe exactly at the required position?

- (A) Snug
- (B) Guide pin
- (C) Rocker arm
- (D) Fine adjustment screw

Correct Answer: D

12). Which material property returns to its original shape after the withdrawal of applied force?

- (A) Plasticity
- (B) Elasticity
- (C) Toughness
- (D) Hardness

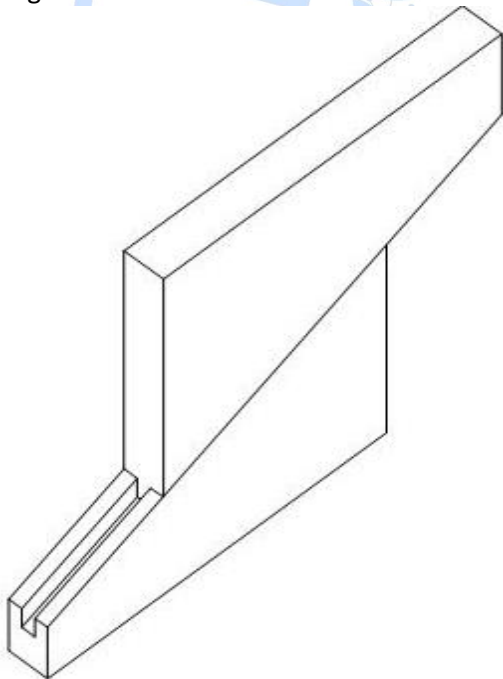
Correct Answer: B

13). Which marking media is applied in rough forgings and castings?

- (A) White wash
- (B) Prussian blue
- (C) Copper sulphate
- (D) Cellulose lacquer

Correct Answer: A

14). What is the name of the parallel block shown in the figure?



- (A) Solid parallel block
- (B) Tenon parallel block
- (C) Angular parallel block
- (D) Adjustable parallel block

Correct Answer: D

15). What is the specific gravity for aluminium?

- (A) 9 kg/cm<sup>3</sup>
- (B) 2.7 kg/cm<sup>3</sup>

(C) 2.6 kg/cm<sup>3</sup>

(D) 8.5 kg/cm<sup>3</sup>

Correct Answer: B

16). Why surface plates are made of up of stress-relieved, good quality cast iron?

- (A) To prevent corrosion
- (B) To prevent breaking
- (C) To prevent distortion
- (D) To prevent thermal expansion

Correct Answer: C

17). Why heavy ribs are provided at the bottom of the surface plate?

- (A) To provide rigidity
- (B) For appearance
- (C) To increase the weight
- (D) For dimensional accuracy

Correct Answer: A

18). Which metal cutting saw is used to cut large cross section area?

- (A) Power saw
- (B) Contour saw
- (C) Circular saw
- (D) Horizontal band saw

Correct Answer: C

19). What is the main advantage of adjustable parallel block?

- (A) To set different angle
- (B) To set different depth
- (C) To set different length
- (D) To set different height

Correct Answer: D

20). Which metal cutting saw is used for cutting different profiles?

- (A) Power saw
- (B) Circular saw
- (C) Contour band saw
- (D) Horizontal band saw

Correct Answer: C

21). Why slots are provided in the slotted angle plate?

- (A) For job clamping
- (B) For easy handling
- (C) For reducing the weight
- (D) For better appearance

Correct Answer: A

22). Which metal property is beneficial for melting?

- (A) Fusibility
- (B) Specific gravity
- (C) Conductivity
- (D) Structure

Correct Answer: A

23). What will be the effect if the metal reaches the melting temperature?

- (A) Change in specific gravity
- (B) Change in weight
- (C) Change in shape
- (D) Change in pressure

Correct Answer: C

24). Which metal property can resist the effect of tensile forces without any rupture?

- (A) Ductility
- (B) Tenacity
- (C) Elasticity
- (D) Malleability

Correct Answer: B

25). Why are ribs provided in the angle plate?

- (A) Provides flatness
- (B) Prevents distortion
- (C) Provides squareness
- (D) Supports the machined surface

Correct Answer: B

