

Duration: 60 Mins

Total Marks: 15

Q.ID: ITISKILL4563MY

1. How many precision rollers required for measuring angle of tapered component?

- A) 2
B) 4
C) 1
D) 3

Answer: A) 2

2. What is the recommended feed rate for turning cast iron (grey) using H.S.S tool?

- A) 0.2-1.5 mm/rev
B) 0.2-1.00 mm/rev
C) 0.08-0.03 mm/rev
D) 0.15-0.7 mm/rev

Answer: D) 0.15-0.7 mm/rev

3. Which gauge is to be selected for checking the corner radius of the job?

- A) Feeler gauge
B) Radius gauge
C) Plug gauge
D) Fillet gauge

Answer: B) Radius gauge

4. How the cutting speed is expressed?

- A) Meter/sec
B) Revolution/min
C) Meter/min
D) Foot/min

Answer: C) Meter/min

5. Which cutting tools have highest cutting efficiency?

- A) Carbide
B) High carbon steel
C) High speed steel
D) Mild steel

Answer: A) Carbide

6. Which material is used to make radius gauge?

- A) Hardened steel
B) Tool steel
C) Stainless steel
D) Cast steel

Answer: A) Hardened steel

7. Which type of tool is suitable to produce form surface in mass production activities?

- A) Using single point cutting tool
B) High carbon steel tool
C) High speed steel cutting tool
D) Using carbide tipped form tool

Answer: D) Using carbide tipped form tool

8. Which is a non-metallic tool material?

- A) High carbon steel
B) Stellite
C) Carbide
D) Diamonds

Answer: D) Diamonds

9. What is the term the distance moved by the tool along the work for each revolution?

- A) Cutting speed
B) Speed
C) Depth
D) Feed

Answer: D) Feed

10. How much percentage of cutting speed could be increased by using super HSS tools?

- A) 10% to 15%
B) 15% to 20%
C) 20% to 25%
D) 5% to 10%

Answer: B) 15% to 20%

11. Where the follower is fixed to produce form turning?

- A) Top slide
B) Tool part
C) Cross slide
D) Tail stock

Answer: C) Cross slide

12. What is the tool life index of cemented carbide tool for turning high carbon high chromium die steel?

- A) 0.15
B) 0.4
C) 0.35
D) 0.2

Answer: A) 0.15

13. Which one is example of ferrous tool material?

- A) Stellite
B) Carbide tool
C) Diamonds
D) High carbon steel

Answer: D) High carbon steel

14. Which gauge is used to check the radius formed at the steps of component?

- A) Feeler gauge
B) Plug gauge
C) Radius gauge
D) Fillet gauge

Answer: D) Fillet gauge

15. What does the letter 's' stands in the equation $d = Y - 2(s+r)$ in taper measurement?

- A) Distance from the centre of the roller to the end of the B) Radius of the rollers component
C) Diameter over the roller at D) Diameter over the rollers large end at small end

Answer: A) Distance from the centre of the roller to the end of the component

