

Duration: 60 Mins

Total Marks: 15

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1. How the cutting speed is expressed?

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

Answer: B) Meter/min

2. Which one is example of ferrous tool material?

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

Answer: C) High carbon steel3. What does the letter 's' stands in the equation $d = Y - 2(s+r)$ in taper measurement?

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

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

4. Which cutting tools have highest cutting efficiency?

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

Answer: C) Carbide

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

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

Answer: A) 0.15-0.7 mm/rev

6. Which is a non-metallic tool material?

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

Answer: B) Diamonds

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

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

Answer: B) Cross slide

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

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

Answer: D) Using carbide tipped form tool

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

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

Answer: B) 0.15

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

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

Answer: C) Fillet gauge

11. Which material is used to make radius gauge?

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

Answer: C) Hardened steel

12. 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%

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

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

Answer: C) Radius gauge

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

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

Answer: A) Feed

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

- A) 4 B) 2

C) 1

D) 3

Answer: B) 2
