

Student Name: _____

Roll No: _____

1. How the cutting speed is expressed?

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

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

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

3. Which material is used to make radius gauge?

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

4. What is the recommended cutting speed for aluminium using H.S.S tool?

- A) 35 m/min - 50 m/min B) 25 m/min - 40 m/min
C) 50 m/min - 80 m/min D) 70 m/min - 100 m/min

5. Which cutting tools have highest cutting efficiency?

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

6. Which one is chief constituent of ferrous tool material?

- A) Vanadium B) Tungsten
C) Carbon D) Iron

7. What does the letter Y stands in the formula $d = Y \cdot 2 (s+r)$ in taper measurement?

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

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

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

9. Which one is example of ferrous tool material?

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

10. What is the recommended cutting speed for turning mild steel using H.S.S tool?

- A) 35-50 m/min B) 35-70 m/min
C) 25-40 m/min D) 40-70 m/min

11. Which is a non-metallic tool material?

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