

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

1. 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

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

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

3. Which one is example of ferrous tool material?

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

4. 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

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

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

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

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

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

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

8. How the cutting speed is expressed?

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

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

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

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

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

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

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

12. Which material is used to make radius gauge?

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

13. Which is a non-metallic tool material?

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

14. Where the follower is fixed to produce from turning?

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

15. Which cutting tools have highest cutting efficiency?

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