

Student: GANESH

Score: 10/15 (66.67%)

Code: 4048

1. Which material is used to make radius gauge?

- A) Cast steel
B) Tool steel
C) **Hardened steel**
D) Stainless steel (Incorrect)

2. Which cutting tools have highest cutting efficiency?

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

3. Which is a non-metallic tool material?

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

4. Which one is example of ferrous tool material?

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

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

- A) **0.15**
B) 0.2 (Incorrect)
C) 0.4
D) 0.35

6. 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 (Correct)**

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

- A) 1
B) **2 (Correct)**
C) 3
D) 4

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

A) 0.08-0.03 mm/rev (Incorrect)

C) 0.2-1.5 mm/rev

B) 0.2-1.00 mm/rev

D) **0.15-0.7 mm/rev**

9. How the cutting speed is expressed?

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

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

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

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

- A) **Radius gauge (Correct)**
B) Fillet gauge
C) Feeler gauge
D) Plug gauge

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

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

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

- A) **Fillet gauge (Correct)**
B) Radius gauge
C) Feeler gauge
D) Plug gauge

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

- A) Speed
B) **Feed (Correct)**
C) Cutting speed
D) Depth

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

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