

Student: GANESH

Score: 11/38 (28.95%)

Code: 3508

1. Which material is used to make radius gauge?

A) Cast steel (Incorrect)

B) Tool steel

C) Hardened steel

D) Stainless steel

2. What is the name of gauge used to check the radius

A) Radius gauge (Correct)

B) Fillet gauge

C) Plug gauge

D) Feeler gauge

3. Which cutting tools have highest cutting efficiency?

A) Mild steel (Incorrect)

B) High carbon steel

C) High speed steel

D) Carbide

4. Which is the cheapest tool material?

A) High carbon steel (Correct)

B) High speed steel

C) Carbide

D) Diamonds

5. Which is a non-metallic tool material?

A) High carbon steel

B) DiamondsC) Stellite (Incorrect)

D) Carbide

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

A) Iron (Correct)

B) Tungsten

C) Vanadium

D) Carbon

7. Which one is example of ferrous tool material?

A) High carbon steel

B) Carbide tool

C) Stellite (Incorrect)

D) Diamonds

8. What is the value of tool life index for a cemented carbide tip to machine cast iron component?

A) 0.1 (Correct)

B) 0.125

C) 0.2

D) 0.128

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

A) 0.15B) 0.2 (Incorrect)

C) 0.4

D) 0.35

10. What does the letter Y stands in the formula $d = Y \cdot 2(s+r)$ in taper measurement?**A) Diameter over rollers at small end**B) Diameter over rollers at big end (Incorrect)

C) Radius of the roller

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

11. What does the letter 's' stands in the equation $d = Y \cdot 2(s+r)$ in taper measurement?A) Diameter over the roller at large endB) Diameter over the rollers at small end (Incorrect)

C) Radius of the rollers

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

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

A) 1 (Incorrect)**B) 2**

C) 3

D) 4

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

A) 25-40 m/min

B) 35-70 m/min

C) 40-70 m/min (Incorrect)**D) 35-50 m/min**

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

A) 0.08-0.03 mm/rev (Incorrect)

B) 0.2-1.00 mm/rev

C) 0.2-1.5 mm/rev

D) 0.15-0.7 mm/rev

15. How the cutting speed is expressed?

A) Foot/min (Incorrect)

B) Meter/sec

C) Meter/min

D) Revolution/min

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

A) 70 m/min - 100 m/min (Correct)

B) 50 m/min - 80 m/min

C) 35 m/min - 50 m/min

D) 25 m/min - 40 m/min

17. 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% (Correct)

D) 20% to 25%

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

A) Radius gauge	B) Fillet gauge	A) It holds the job (Incorrect)	B) Hold and locate the work
C) Feeler gauge	D) Plug gauge (Incorrect)	C) Hold, locate and guide the tool	D) Cost is very low
19. Where the follower is fixed to produce from turning?		29. What is the special benefit of using a fixture?	
A) Tool part	B) Top slide	A) Slower rate of production	B) Skilled worker required (Incorrect)
C) Cross slide	D) Tail stool (Incorrect)	C) Faster rate of production	D) Suitable for small batch production
20. Which gauge is used to check the radius formed at the steps of component?		30. Which gauge is used to position the cutter before cutting in milling fixture?	
A) Fillet gauge	B) Radius gauge	A) Feeler gauge (Correct)	B) Radius gauge
C) Feeler gauge (Incorrect)	D) Plug gauge	C) Fillet gauge	D) Screw pitch gauge
21. What is the term the distance moved by the tool along the work for each revolution?		31. Calculated the rpm of spindle if cutting speed ?V? is 120m/min and the diameter ?D? of the job is 50 mm?	
A) Speed (Incorrect)	B) Feed	A) 500 rpm	B) 764 rpm (Correct)
C) Cutting speed	D) Depth	C) 856 rpm	D) 975 rpm
22. What are the possible surface that can be produced by form turning?		32. Calculate the spindle speed to turn a 40mm dia M.S rod using a cemented carbide tool it cutting speed is 92mm/min?	
A) To generating concave and convex profile	B) To generating cylindrical surface (Incorrect)	A) 508 rpm	B) 685 rpm
C) To generate conical surface	D) To generate flat surface	C) 731 rpm (Correct)	D) 950 rpm
23. Which type of tool is suitable to produce form surface in mass production activities?		33. Calculate the length of metal passing by cutting tool in one revolution if the diameter of work is 75mm and cutting speed is 120m/min.	
A) Using carbide tipped form tool	B) High carbon steel tool	A) 235.5 mm	B) 295.7 mm
C) High speed steel cutting tool	D) Using single point cutting tool (Incorrect)	C) 365.3 mm	D) 485.7 mm (Incorrect)
24. What factor is important in free hand form turning?		34. Find out the R.P.M of spindle for a 50mm bar (D) and cutting speed is 25m/min.	
A) Unskilled labour	B) Skilled labour (Correct)	A) 100rpm (Incorrect)	B) 159rpm
C) Sharp tool	D) High speed	C) 168rpm	D) 250rpm
25. Which type of jig is used to hold thin and soft parts?		35. Which type of jig locates the piece part from its face?	
A) Plat jig	B) Channel jig (Incorrect)	A) Plate jig	B) Post jig
C) Sandwich jig	D) Trunnion jig	C) Table jig	D) Solid jig (Incorrect)
26. Which type of jig is used for large awkward shaped piece part is to drilled in many directions?		36. What defect may occur during grinding a form tool cutting edge?	
A) Plate jig (Incorrect)	B) Post jig	A) Form tool getting broken	B) Shape of the form gets altered
C) Table jig	D) Trunnion jig	C) Clearance angle changed	D) Thickness of the tool reduced (Incorrect)
27. Which is the device that can hold, locate and guide the tool?		37. What will happen to the tool life if the spindle is running higher speed?	
A) Jig (Correct)	B) Fixture	A) Less	B) More
C) Chuck	D) Collet chuck		
28. What is the advantage of jig?			

C) Medium

D) Very less (Incorrect)

A) Reduce the tool life

B) Better finish

C) Accurate dimension

D) Normal tool life
(Incorrect)

38. What is the effect, if the cutting speed is more than the recommended?