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Score: 10/38 (26.32%)

Code: 7610

1. Which material is used to make radius gauge?

A) Cast steel (Incorrect)

B) Tool steel

C) **Hardened steel**

D) Stainless steel

C) Radius of the roller

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

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

A) **Radius gauge**B) Fillet gauge (Incorrect)

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**11. 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)**

4. Which is the cheapest tool material?

A) **High carbon steel**

B) High speed steel

C) Carbide

D) Diamonds (Incorrect)

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

A) 1

B) **2**C) 3 (Incorrect)

D) 4

5. Which is a non-metallic tool material?

A) High carbon steel

B) **Diamonds**C) Stellite (Incorrect)

D) Carbide

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**

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

A) **Iron (Correct)**

B) Tungsten

C) Vanadium

D) Carbon

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**

7. Which one is example of ferrous tool material?

A) **High carbon steel**

B) Carbide tool

C) Stellite (Incorrect)

D) Diamonds

15. How the cutting speed is expressed?

A) Foot/min

B) Meter/sec

C) **Meter/min (Correct)**

D) Revolution/min

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

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

A) **70 m/min - 100 m/min**

B) 50 m/min - 80 m/min

C) 35 m/min - 50 m/min

D) 25 m/min - 40 m/min (Incorrect)

9. 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

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

A) 5% to 10% (Incorrect)

B) 10% to 15%

C) **15% to 20%**

D) 20% to 25%

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

B) Diameter over rollers at big end

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

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

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

A) Reduce the tool life

B) Better finish

C) Accurate dimension

D) Normal tool life
(Incorrect)