

- A) 0.1
C) 0.125
- B) 0.128
D) 0.2

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

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

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

19. What is the advantage of jig?

- A) Hold and locate the work
C) Cost is very low
- B) Hold, locate and guide the tool
D) It holds the job

20. Which type of jig is used to hold thin and soft parts?

- A) Channel jig
C) Plat jig
- B) Trunnion jig
D) Sandwich jig

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

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

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

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

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

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

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

- A) Reduce the tool life
C) Better finish
- B) Normal tool life
D) Accurate dimension

25. Calculate the spindle speed to turn a 40mm dia M.S rod using a cemented carbide tool it cutting speed is 92mm/min?

- A) 731 rpm
C) 685 rpm
- B) 950 rpm
D) 508 rpm

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

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

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

28. What does the letter Y stands in the formula $d = Y \sqrt{2(s+r)}$ in taper measurement?

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

29. Which gauge is used to position the cutter before cutting in milling fixture?

- A) Radius gauge
C) Feeler gauge
- B) Fillet gauge
D) Screw pitch gauge

30. Which type of jig is used for large awkward shaped piece part is to drilled in many directions?

- A) Post jig
C) Trunnion jig
- B) Table jig
D) Plate jig

31. Which is the device that can hold, locate and guide the tool?

- A) Jig
C) Chuck
- B) Collet chuck
D) Fixture

32. Which is a non-metallic tool material?

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

33. Which one is example of ferrous tool material?

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

34. Which cutting tools have highest cutting efficiency?

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

35. What factor is important in free hand form turning?

- A) Sharp tool
C) High speed
- B) Skilled labour
D) Unskilled labour

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

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

37. 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) 295.7 mm

B) 235.5 mm

C) 485.7 mm

D) 365.3 mm

38. 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) Distance from the centre of the roller to the end of the component

C) Diameter over the rollers at small end

D) Radius of the rollers
