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ITI Quiz - 24-Feb-2026 09:58 AM

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47.50% 19 / 40

Student Name	Punith R j	Access Code	5103
Attempt No.	#2	Completion Time	10:23 AM
Rank	#5	Total Questions	40

19 SCORE

40 MAX MARKS

19 CORRECT

21 INCORRECT

Answer Review

Q1 **INCORRECT** Which material is used to make radius gauge?

A. Cast steel ☐

B. Tool steel ☐

C. Hardened steel ☒

D. Stainless steel ☐

Q2 **CORRECT** What is the name of gauge used to check the radius

A. Radius gauge ☒

B. Fillet gauge ☐

C. Plug gauge ☐

D. Feeler gauge ☐

Q3 **INCORRECT** Which cutting tools have highest cutting efficiency?

A. Mild steel

B. High carbon steel ☐

C. High speed steel

D. Carbide ☐

Q4 **INCORRECT** Which is the cheapest tool material?

A. High carbon steel ☐

B. High speed steel

C. Carbide

D. Diamonds ☐

Q5 **CORRECT** Which is a non-metallic tool material?

A. High carbon steel

B. Diamonds ☐

C. Stellite

D. Carbide

Q6 **CORRECT** Which one is chief constituent of ferrous tool material?

A. Iron ☐

B. Tungsten

C. Vanadium

D. Carbon

Q7 **INCORRECT** Which one is example of ferrous tool material?

A. High carbon steel ☐

B. Carbide tool ☐

C. Stellite

D. Diamonds

Q8 **CORRECT** What is the value of tool life index for a cemented carbide tip to machine cast iron component?

A. 0.1 ☐

B. 0.125

C. 0.2

D. 0.128

Q9 **INCORRECT** What is the tool life index of cemented carbide tool for turning high carbon high chromium die steel?

A. 0.15 ☐

B. 0.2 ☐

C. 0.4

D. 0.35

Q10 **INCORRECT** 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 ☐

B. Diameter over rollers at big end

C. Radius of the roller

D. Distance from the centre of the roller to the end of the component ☐

Q11 **CORRECT** 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 ☒

Q12 **INCORRECT** How many precision rollers required for measuring angle of tapered component?

- A. 1 ☐
- B. 2 ☒
- C. 3
- D. 4

Q13 **CORRECT** 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
- D. 35-50 m/min ☒

Q14 **INCORRECT** What is the recommended feed rate for turning cast iron (grey) using H.S.S tool?

- A. 0.08-0.03 mm/rev
- B. 0.2-1.00 mm/rev
- C. 0.2-1.5 mm/rev ☐
- D. 0.15-0.7 mm/rev ☒

Q15 **CORRECT** How the cutting speed is expressed?

- A. Foot/min
- B. Meter/sec
- C. Meter/min ☒
- D. Revolution/min

Q16 **INCORRECT** 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

Q17 **CORRECT** 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%

Q18 **CORRECT** Which gauge is to be selected for checking the corner radius of the job?

- A. Radius gauge ☒
- B. Fillet gauge
- C. Feeler gauge
- D. Plug gauge

Q19 **CORRECT** Where the follower is fixed to produce from turning?

A. Tool part

B. Top slide

C. Cross slide ☒

D. Tail stook

Q20 **INCORRECT** Which gauge is used to check the radius formed at the steps of component?

A. Fillet gauge ☒

B. Radius gauge ☐

C. Feeler gauge

D. Plug gauge

Q21 **CORRECT** What is the term the distance moved by the tool along the work for each revolution?

A. Speed

B. Feed ☒

C. Cutting speed

D. Depth

Q22 **INCORRECT** What are the possible surface that can be produced by form turning?

A. To generating concave and convex profile ☒

B. To generating cylindrical surface ☐

C. To generate conical surface

D. To generate flat surface

Q23 **INCORRECT** Which type of tool is suitable to produce form surface in mass production activities?

A. Using carbide tipped form tool ☐

B. High carbon steel tool

C. High speed steel cutting tool

D. Using single point cutting tool ☐

Q24 **INCORRECT** What is the expanded form of ABC in first aid?

A. Airway, blood and circulation ☐

B. Aspiration, blood and circulation

C. Airway, breathing and circulation ☐

D. Aspiration, breathing and circulation

Q25 **CORRECT** What is the standard colour code used for identifying the bin for the metal waste material?

A. Red ☐

B. Blue

C. Green

D. Violet

Q26 **CORRECT** Which safety practice refers, Do not wear the ring?

A. Road safety

B. General safety

C. Machine safety

D. Personal safety ☐

Q27 **INCORRECT** Which one belongs to team work?

A. Soft skill ☐

B. Hard skill

C. Knowledge

D. Technical skill ☐

Q28 **INCORRECT** Which gas is used in Halon extinguisher?

A. Hydrogen

B. Carbon dioxide

C. Carbon monoxide ☐

D. Carbon tetrachloride ☐

Q29 **CORRECT** Which one is the golden hours related to first aid?

A. First 15 minutes

B. First 20 minutes

C. First 30 minutes ☐

D. First 45 minutes

Q30 **INCORRECT** Which one is the cause for hazard in personal safety?

A. Long hair ☐

B. Safety boots

C. Buttons fastened ☐

D. Sleeve tightly rolled

Q31 **CORRECT** What is the correct sequence of the operation of a simple fire extinguisher?

A. Pull, Aim squeeze & sweep ☒

B. Aim pull sweep and squeeze

C. Squeeze aim pull and sweep

D. Sweep Aim pull and squeeze

Q32 **CORRECT** Which victim has given CPR immediately?

A. Difficulty in breathing ☒

B. Severe head injury

C. Severe blood loss

D. Dehydration

Q33 **CORRECT** Which angle is preventing the cutting edge from rubbing action?

A. Web angle

B. Rake angle

C. Clearance angle ☒

D. Point angle

Q34 **CORRECT** What is the drill point angle for drilling brass?

A. 140 Degree

B. 130 Degree

C. 120 Degree

D. 118 Degree ☒

Q35 **INCORRECT** What is the normal lip clearance angle for standard drill?

A. 2 Degree- 4 Degree

B. 5 Degree - 7 Degree ☐

C. 8 Degree - 12 Degree ☐

D. 13 Degree - 16 Degree

Q36 **INCORRECT** Which angle determines the rake angle at the cutting edge of twist drill?

A. Wedge angle ☐

B. Helix angle ☐

C. Point angle

D. Clearance angle

Q37 **INCORRECT** What is the material of files?

A. Cast iron ☐

B. Mild steel

C. Low alloy steel

D. High carbon steel ☐

Q38 **INCORRECT** What is the specification for shape of file?

A. Cut

B. Grades

C. Length ☐

D. Cross section ☐

Q39 **INCORRECT** What is the body material of bench vice?

A. Cast iron ☐

B. Mild steel

C. Wrought iron

D. Hardened steel ☐

Q40 **CORRECT** Which is the internal part of a bench vice?

A. Handle

B. Box nut ☐

C. Fixed jaw

D. Movable jaw