# Govt ITI MULABAGAL

## ITI Quiz - 10-Feb-2026 02:32 PM

Q. ID: ITISKILL6912OE | February 2026

**32.00%** 16 / 50

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| Student Name | Suresh | Access Code | 7633 |
| Attempt No. | #1 | Completion Time | 02:03 PM |
| Rank | #2 | Total Questions | 50 |

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|---|---|---|---|
| **16** SCORE | **50** MAX MARKS | **16** CORRECT | **34** INCORRECT |

## Answer Review

Q1 INCORRECT What is the name of first member in a simple gear train?

**A.** Driven

**B.** Driver

**C.** Idler

**D.** Reverible gear

Q2 INCORRECT What is the name of last member in a simple gear train?

**A.** Driver

**B.** Idler

**C.** Driven

**D.** Reversing gear

Q3 CORRECT How many numbers of gears having in a simple gear train?

**A.** 2

**B.** 3 ✓

**C.** 4

**D.** 5

Q4 INCORRECT What is the formula used to find flat width of a buttress thread?

**A.** Pitch/2

**B.** Pitch/3

**C.** Pitch/4 ✗

**D.** Pitch/8 ✓

Q5 INCORRECT What is the shape of buttress thread flank?

**A.** One flank is 90 Degree and the other 45 Degree ✓

**B.** One flank is 30 Degree and the other 45 Degree

**C.** One flank is 60 Degree and the other 45 Degree

**D.** Two flanks are at 60 Degree ✗

Q6 INCORRECT What is the angle of saw tooth thread?

**A.** 29 Degree ✗

**B.** 30 Degree ✓

**C.** 45 Degree

**D.** 90 Degree

Q7 CORRECT What does BIS stands for?

**A.** Bureau of International Standard

**B.** Bureau of Indian Standard

**C.** Bureau of International Society

**D.** Bereau of Indian Society

Q8 INCORRECT Which one is the angle of buttress thread?

**A.** 30 Degree

**B.** 45 Degree

**C.** 55 Degree

**D.** 60 Degree

Q9 INCORRECT Which formula is used to find crest width of a buttress thread?

**A.** 0.125 x pitch

**B.** 0.317 x pitch

**C.** 0.335 x pitch

**D.** 0.5 x pitch

Q10 INCORRECT Which formula is used to find root width of a buttress thread?

**A.** 0.125 x pitch

**B.** 0.317 x pitch

**C.** 0.335 x pitch

**D.** 0.5 x pitch

Q11 INCORRECT Which formula to be used to find depth of buttress thread?

**A.** 0.5 x pitch

**B.** 0.6134 x pitch

**C.** 0.6403 x pitch

**D.** 0.75 x pitch

Q12 INCORRECT What does Sq 60 x 9 IS 4694-1968 means?

**A.** Square Thread 60 mm dia, 9 mm pitch

**B.** Buttress thread 60 mm dia x 9 mm pitch

**C.** Acme thread 60 mm dia x 9 mm pitch

**D.** Worm thread 60 mm dia x 9 mm pitch

Q13 CORRECT Which thread has only one helical formation?

**A.** Single start

**B.** Double start

**C.** Triple start

**D.** Quadrapple

Q14 INCORRECT What is the lead of M 24 x 3.5 triple start thread?

**A.** 3.5 mm

**B.** 8.5 mm

**C.** 10.5 mm

**D.** 12.8 mm

Q15 INCORRECT What is the lead of M 10 x 1.5 double start thread?

**A.** 2 mm

**B.** 3 mm

**C.** 3.5 mm

**D.** 4 mm

Q16 INCORRECT What is the formula for pitch diameter of thread?

**A.** Major diameters - single depth

**B.** Major diameters - 2 depth

**C.** Major diameters - minor diameter

**D.** Major diameter - Pitch

Q17 CORRECT What is the formula to calculate the core dia of the square thread?

**A.** Major dia - 2 x depth

**B.** Major dia - minor dia

**C.** Major dia - Pitch dia

**D.** Major dia - Depth of thread

Q18 INCORRECT What is the ratio between the pitch diameter and number of teeth of gear?

**A.** Tooth thickness

**B.** Module

**C.** Dedendum

**D.** Addendum

Q19 CORRECT What is the included angle of acme thread?

**A.** 55 Degree

**B.** 45 Degree

**C.** 30 Degree

**D.** 29 Degree □

Q20 INCORRECT Which type of thread is used in lathe head screw?

**A.** Acme thread □

**B.** Buttress thread □

**C.** Knuckle thread

**D.** Square thread

Q21 CORRECT How much angle is to be added for lead angle of a square thread as clearance to the helix angle?

**A.** 1 Degree 55 Minutes

**B.** 1 Degree 50 Minutes

**C.** 1 Degree 45 Minutes

**D.** 1 Degree 30 Minutes □

Q22 INCORRECT What is the angle of BSW thread?

**A.** 60 Degree □

**B.** 55 Degree □

**C.** 29 Degree

**D.** 45 Degree

Q23 CORRECT Which type of thread have higher mechanical advantage?

**A.** V- thread

**B.** Acme thread

**C.** Square thread

**D.** Buttress thread

Q24 CORRECT What is the term the distance from a point on thread to the corresponding point on next thread?

**A.** Depth

**B.** Effective diameter

**C.** Pitch

**D.** Minor diameter

Q25 INCORRECT Which type of trapezoidal thread is used in places there motion is to be transmitted between shafts at right angle?

**A.** Acme thread

**B.** Buttress thread

**C.** Saw-tooth thread

**D.** Worm thread

Q26 INCORRECT What is the term of thread the advancement of mating part in one complete rotation?

**A.** Pitch

**B.** Depth

**C.** Helix angle

**D.** Lead

Q27 INCORRECT What is the purpose of change gear train in centre lathe?

**A.** Connecting spindle gear to fixed stud gear □

**B.** Connecting fixed stud gear to quick change gear box □

**C.** Connecting quick change gear box to lead screw

**D.** Connecting lead screw to changing dial

Q28 CORRECT What is the purpose of idler gear in simple gear train?

**A.** Reduce gear ratio

**B.** Transmit power between driver and driven gears □

**C.** Reduce spindle speed

**D.** Increase spindle speed

Q29 INCORRECT Which parameter will decide the driver and driven gear ratio to cut thread on lathe?

**A.** Major dia of work

**B.** Pitch □

**C.** Root dia of work

**D.** Angle of thread □

Q30 INCORRECT Calculate the change gear to cut 6 mm pitch on a work having a lead screw of 5 mm pitch. Gears available from 20 to 120 teeth by 5 teeth range.

**A.** Driver 60 driven 50 □

**B.** Driver 40 driven 20

**C.** Driver 85 teeth driven 60 teeth

**D.** Driver 100 teeth driven 25 teeth □

Q31 CORRECT Calculate the change gear to cut 8 mm pitch on a work having a lead screw of 4 mm pitch gear 20 to 120 teeth by 5 teeth range

**A.** Driver 40 teeth Driven 20 teeth □

**B.** Driver 50 teeth Driven 60 teeth

**C.** Driver 80 teeth Driven 25 teeth

**D.** Driver 60 teeth Driven 35 teeth

Q32 CORRECT What is the advantage of using idler gear in simple gear train?

**A.** Affect gear ratio

**B.** Does not affect gear ratio □

**C.** Change the speed

**D.** Easy to engage

Q33 CORRECT What is the gear ratio if the lathe constant value is one?

**A.** One □

**B.** Two

**C.** Three

**D.** Six

Q34 INCORRECT Which part of a lathe is used to catch thread quickly?

**A.** Tool post □

**B.** Top slide

**C.** Chasing dial □

**D.** Cross - slide

Q35 INCORRECT Calculate the flat width of 10 mm pitch buttress thread?

**A.** 1.25 mm

**B.** 2.25 mm

**C.** 3.25 mm

**D.** 4.25 mm

Q36 INCORRECT Which of the following used buttress thread?

**A.** Screw jack

**B.** Lead screw of lathe

**C.** Carpentry vice

**D.** General purpose nut and bolt

Q37 INCORRECT Calculate the depth of buttress thread diameter 30 mm pitch 3 mm?

**A.** 1.25 mm

**B.** 1.5 mm

**C.** 2.25 mm

**D.** 3.00 mm

Q38 CORRECT What is the purpose of Square thread?

**A.** To transmit power

**B.** To make adjustment

**C.** General fastening

**D.** For clamping

Q39 INCORRECT What type of thread is used in screw jack machine?

**A.** Acme thread □

**B.** Square thread □

**C.** Buttress thread

**D.** V-thread

Q40 INCORRECT What is the width of the tool to cut a square thread of 60 x 9 mm pitch?

**A.** 4.5 mm □

**B.** 9.5 mm

**C.** 9 mm

**D.** 8.5 mm □

Q41 INCORRECT What is the relationship between pitch and lead of a single start thread?

**A.** Lead is twice the pitch □

**B.** Lead is half the pitch

**C.** Lead is equal to pitch □

**D.** Lead is 1/4 pitch

Q42 INCORRECT Where multistart threads are used?

**A.** For easy alignment

**B.** For quick transmission □

**C.** For easy engagement □

**D.** For general fastening

Q43 INCORRECT Calculate pitch diameter of f 24 x 3 mm square thread?

**A.** 21 mm ✗

**B.** 21.5 mm

**C.** 22.5 mm ✓

**D.** 24 mm

Q44 INCORRECT Calculate pitch diameter of M16 x 2 mm square thread?

**A.** 14 mm

**B.** 15 mm ✓

**C.** 15.5 mm

**D.** 16 mm ✗

Q45 INCORRECT Calculate the pitch diameter of M 36 x 4 mm square thread?

**A.** 32 mm

**B.** 33 mm

**C.** 34 mm ✓

**D.** 35 mm ✗

Q46 CORRECT Calculate the pitch diameter of M 64 x 6 mm square thread?

**A.** 58 mm

**B.** 60 mm

**C.** 61 mm ✓

**D.** 62 mm

Q47 INCORRECT What is the relation between pitch and lead in multistart thread?

**A.** Lead = No. start x pitch □

**B.** Lead = Pitch

**C.** Lead = 1/2 pitch □

**D.** Lead = 1/3 x pitch

Q48 CORRECT Find the lead of a 2 start thread having pitch 1.5 mm?

**A.** 1.50 mm

**B.** 3.00 mm □

**C.** 4.50 mm

**D.** 6.00 mm

Q49 INCORRECT What is the nose cutter width of the square threads tool?

**A.** 0.5 x Pitch □

**B.** equal to pitch

**C.** Pitch / 0.5 □

**D.** 2 x Pitch

Q50 CORRECT What will be the effect in helix angle if diameter changes for a given lead?

**A.** Diameters decreases helix angle increases □

**B.** Diameters decreases helix angle decreases

**C.** No change in helix angle if diameter increases

**D.** No change in helix angle diameter decreases