

ITI Quiz - 19-May-2026

Q. ID: ITISKILL321290

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KANAKAPURA

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Question Paper

Duration: 30 Mins

Total Marks: 166

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Student Name: _____ Roll No: _____

1. Which material is suitable for button die chaser?
A) H.C.S
B) Low strength material
C) H.S.S
D) High strength material
2. Which formula is used to find depth of buttress thread?
A) $0.6134 \times \text{pitch}$
B) $0.5 \times \text{pitch}$
C) $0.6403 \times \text{pitch}$
D) $0.75 \times \text{pitch}$
3. What is the thread form cut by using chasers?
A) External square thread
B) Trapezoidal thread
C) Internal square thread
D) External and internal V - Thread
4. Which is the form of Trapezoidal thread?
A) ACME
B) BSF
C) BSW
D) Metric
5. Which method is preferred for producing small length taper with least accuracy?
A) Form tool method
B) Compound slide method
C) Tail stock offset method
D) Taper turning attachment method
6. What is 1.25 stands for a metric thread designated as M12 x 1.25?
A) Depth of thread
B) Major dia of thread
C) Minor dia of thread
D) Pitch of the thread
7. How metric chasing dial differ from British chasing dial?
A) One worm wheel and one dial
B) Same as British chasing dial
C) One worm wheel and different dial
D) More than one worm wheel and different dial
8. Which device is used as datum while marking with Vernier height gauge?
A) Face plate
B) Driving plate
C) Angle plate
D) Surface plate
9. What is the core diameter of BSW thread of 1 inch outer dia and 8 TPI
A) 0.81 Inch
B) 0.84 Inch
C) 0.80 Inch
D) 0.83 Inch
10. Which is main criteria to increase the tool life?
A) Cutting speed
B) Material
C) Feed
D) Depth of cut
11. What is the tool life index of cemented carbide tool for turning high carbon steel?
A) 0.4
B) 0.15
C) 0.2
D) 0.35
12. Calculate the flat width of 10 mm pitch buttress thread?
A) 1.25 mm
B) 4.25 mm
C) 2.25 mm
D) 3.25 mm
13. Which method of brazing is commonly used to braze of carbide tip on a shank?
A) Induction brazing
B) Furnace brazing
C) Torch brazing
D) Arc brazing
14. What term indicate actual size of the abrasive grain?
A) Structure
B) Grade of bond
C) Grit size
D) Abrassive type
15. Which is the term used to express grinding wheels to hold the abrasive particle together?
A) Bond
B) Grain
C) Structure
D) Grit
16. What percentage of cutting speed is reduced for tool life dubling?
A) 0.083
B) 0.084
C) 0.081
D) 0.082
17. Which is used to support hollows end jobs?
A) Ball centre
B) Pipe centre

- C) Female centre D) Tipped centre

18. Convert 8 Degree 44 minutes into minutes?

- A) 524 B) 536
C) 424 D) 428

19. Which formula is used to find crest width of a buttress thread?

- A) $0.125 \times \text{pitch}$ B) $0.335 \times \text{pitch}$
C) $0.317 \times \text{pitch}$ D) $0.5 \times \text{pitch}$

20. What is the schedule of lubrication for lathe bed?

- A) Monthly B) Weekly
C) Frequently D) Daily

21. What type of thread can be produced by a die?

- A) Internal square thread B) Internal V - thread
C) External V - thread D) External square thread

22. Which type of centre is used in the end of the job if no counter sink hole is permitted?

- A) Revolving centre B) Ball centre
C) Insert type centre D) Female centre

23. How much the compound rest should be tilted for cutting metric thread by compound rest?

- A) 60 Degree B) 15 Degree
C) 45 Degree D) 30 Degree

24. Which is the advantage of taper turning by compound slide method?

- A) Long taper can be produced B) Most suitable for duplicate taper work
C) Steep taper can be produced D) Thread on taper portion can be produced

25. Which angle is ground on ACME threading tool?

- A) 55 Degree B) 45 Degree
C) 60 Degree D) 29 Degree

26. Which type of thread is used in screw jack spindle?

- A) BSW thread B) BSF thread
C) Square thread D) Worm thread

27. Which material is used for making the head of soldering iron?

- A) Forged aluminium B) Forged steel
C) Forged copper D) Stainless steel

28. What is the purpose of using v prism method in thread measurement?

- A) Measure the pitch of the thread B) Measure major diameter
C) Measure minor diameter D) Measure effective diameter

29. Which is the cause of small particles of the material become embedded in the space between the grains of the grinding wheel?

- A) Grooving B) Dressing
C) Glazing D) Loading

30. What is the thread depth of square thread SQ60x9?

- A) 42 mm B) 4.5 mm
C) 18 mm D) 9.0 mm

31. Which thread is recommended for pipe and pipe fittings?

- A) BSW thread B) BSF thread
C) BSP thread D) BA thread

32. Calculate the least count of V.B.P if 23 div on main scale is divided into 12 scale divisions

- A) 4 minutes B) 2 minutes
C) 5 minutes D) 3 minutes

33. What is the formula for finding the depth of a BIS metric thread?

- A) $0.6043 \times \text{pitch}$ B) $0.6134 \times \text{pitch}$
C) $0.6431 \times \text{pitch}$ D) $0.6403 \times \text{pitch}$

34. Which one of the following factor greatly causes to reduce tool life?

- A) Depth of cut B) Feed
C) Material D) Cutting speed

35. What is the angle of a BIS metric thread?

- A) 45 Degree B) 27.5 Degree
C) 55 Degree D) 60 Degree

36. Which method of thread forming does not produce chips and used in mass production?

- A) Thread grinding B) Thread milling
C) Thread rolling D) Taps and dies

37. What is the purpose of using taper parallels in thread measurement?

- A) To measure the major diameter of internal thread B) To measure the minor diameter of external thread
C) To measure the minor diameter of internal thread D) To measure the major diameter of external thread

38. Which part of the lathe is locked while the form tool method is used for turning taper?

- A) Head stock
- B) Tail stock
- C) Carriage
- D) Compound rest

39. What is the purpose of the beveled edges of the rule in a vernier bevel protractor?

- A) Checking parallelism
- B) Checking squareness
- C) Checking 45 Degree and 60 Degree
- D) Checking flatness

40. Which is the commonly used method to produce thread in nut?

- A) Thread casting
- B) Thread grinding
- C) Thread milling
- D) Tapping

41. What is the width of the tool to cut square thread of 30 x 3 mm pitch?

- A) 1.5 mm
- B) 2 mm
- C) 3 mm
- D) 6 mm

42. What is the formula used to find flat width of a buttress thread?

- A) Pitch/6
- B) Pitch/8
- C) Pitch/2
- D) Pitch/4

43. Find the gears for simple gear train, if pitch of lead screw is 6 mm and pitch of thread to be cut is 2 mm?

- A) 50/120
- B) 40/120
- C) 30/120
- D) 40/150

44. What is the angle of metric ACME thread

- A) 45 Degree
- B) 29 Degree
- C) 47.5 Degree
- D) 30 Degree

45. Which thread is used for general purpose fastening?

- A) Unified
- B) BA
- C) BSF
- D) BSW

46. Which method is non metallic threads are produced?

- A) Thread casting
- B) Thread milling
- C) Thread chasing
- D) Thread grinding

47. What is the angle of saw tooth thread?

- A) 90 Degree
- B) 45 Degree
- C) 30 Degree
- D) 29 Degree

48. What is the thread depth of square thread SQ60x9?

- A) 42 mm
- B) 9.0 mm
- C) 4.5 mm
- D) 18 mm

49. Which formula is used to find root width of a buttress thread?

- A) $0.335 \times \text{pitch}$
- B) $0.317 \times \text{pitch}$
- C) $0.125 \times \text{pitch}$
- D) $0.5 \times \text{pitch}$

50. Which welding method is more suitable for joining dissimilar metals readily?

- A) Gas welding
- B) Braze welding
- C) Tig welding
- D) Arc welding

51. Which device uses buttress thread?

- A) Screw jack
- B) General purpose nut and bolt
- C) Lead screw of lathe
- D) Carpentry vice

52. What is the main disadvantage of a braze welded joints?

- A) It take more time for repairing
- B) The joint not suitable for thicker sections
- C) Dissimilar metals can be joined
- D) Heavy distortion due to heat

53. Which carrier with V-groove provided and used to hold small diameter and square sections?

- A) Bent tail
- B) Clamp type
- C) Safety clamp type
- D) Straight tail

54. What is the purpose of using thread micrometer?

- A) Measure pitch of the thread
- B) Measure effective diameter
- C) Measure major diameter
- D) Measure minor diameter

55. What is the core dia of square thread 62 x 10 mm pitch?

- A) 52.7 mm
- B) 52 mm
- C) 56.45 mm
- D) 57.4 mm

56. Calculate the change gear required to cut 4mm pitch thread in a lathe having lead screw of 4mm (lathe stud gear (driver has 50 teeth)

- A) 150
- B) 50
- C) 100
- D) 25

57. How is the filler material distributed in the joint in braze welding?

- A) By splashing
- B) By fusion
- C) By fission
- D) By capillary action

58. How can measure the minor diameter of a internal thread?

- A) By vernier caliper
C) By screw thread micrometer
- B) By three wire method
D) Using slip gauge pack

59. Calculate the driven gear required to cut 4mm pitch thread is a lathe having lead screw of 4mm with driven gear of 60 teeth?

- A) 50
C) 120
- B) 100
D) 60

60. Find the change gear (driven gear) to cut 2.5mm pitch thread using a lathe having lead screw of pitch 5mm with driver gear 60 teeth?

- A) 120
C) 100
- B) 60
D) 150

61. Which diameter is maintained in a job for making threads by rolling?

- A) Root diameter
C) Pitch diameter
- B) Minor diameter
D) Major diameter

62. Calculate the depth of buttress thread 60 mm diameter of 9 mm pitch?

- A) 6.75 mm
C) 7.75 mm
- B) 5.75 mm
D) 4.75 mm

63. What is the effect of reversing the machine with out disengaging the half nut in thread cutting?

- A) For the use of chasing dial
C) For improve the productivity
- B) Reduce the wear and tear of half nut
D) For avoid catching the thread in each cut

64. What is the depth of cut for 10TPI BSW thread?

- A) $0.6314 \times 1/10$ Inch
C) $0.6403 \times 1/10$ Inch
- B) $0.6134 \times 1/10$ Inch
D) $0.6304 \times 1/10$ Inch

65. What is the reason for using dial indicator instead of scribe point in Vernier height gauge?

- A) For good appearance
C) For accurate marking
- B) To check eccentricity
D) For accurate measuring

66. Calculate the gear ratio to cut a 1/4 inch lead on a lathe with lead screw of 2TPI?

- A) (1/4)
C) (3/4)
- B) (1/2)
D) (2/3)

67. What is the relationship between pitch and depth of a square thread?

- A) Depth is $3/4$ pitch
C) Depth is $1/2$ pitch
- B) Depth is $1/4$ pitch
D) Depth is equal to pitch

68. What is the shape of interchangeable anvils used in screw thread micrometer?

- A) Square shape
C) Circular shape
- B) V-shape
D) Radius shape

69. What is the disadvantage of chaser?

- A) To cut trapezoid thread only
C) To cut V-thread only
- B) To cut knuckle thread only
D) To cut square thread only

70. What is the use of BSW thread?

- A) Fast movement
C) Used in electrical appliances
- B) General purpose fastening
D) Load fitting

71. Which one is the disadvantage of taper turning by compound slide method?

- A) Taper length is limited to the movement of the top slide
C) Steep taper cannot be produced
- B) Damages the centre drilled holes of the work
D) Only external taper can be turned

72. Which mandrel is manufactured in order to reduce the number of mandrel?

- A) Threaded mandrel
C) Stepped mandrel
- B) Gang mandrel
D) Solid mandrel

73. Which angle is provided on the metric screw thread micrometer anvil?

- A) 30 Degree
C) 55 Degree
- B) 60 Degree
D) 47.5 Degree

74. Which method is used for turning steep taper?

- A) Offset tail stock
C) Taper turning attachment
- B) Compound slide swivel
D) Form tool

75. Which formula is to find crest width of ACME thread?

- A) $0.335 \times \text{pitch}$
C) $0.317 \times \text{pitch}$
- B) $0.75 \times \text{pitch}$
D) $0.5 \times \text{pitch}$

76. What is the isolating medium to prevent rapid cooling after brazing a tipped tool?

- A) Mica powder
C) Water
- B) Oil
D) Wet sand

77. Which is the angle of buttress thread?

- A) 45 Degree
C) 60 Degree
- B) 30 Degree
D) 55 Degree

78. Which wheel is used for grinding tough materials?

- A) Ceramic
- B) Cemented carbide
- C) Aluminium oxide
- D) Silicon carbide

79. Which type of thread is produced by tap and die?

- A) Saw - tooth thread
- B) V - thread
- C) Square thread
- D) ACME thread

80. Which method of holding is used for lengthy work to avoid over hanging?

- A) In four jaw chuck
- B) Angle plate
- C) In face plate
- D) In between centres

81. What is calculated by formula $0.75 \times \text{pitch}$?

- A) depth of buttress thread
- B) depth of acme thread
- C) depth of metric thread
- D) depth of square thread

82. Which material is used for making nozzle for gas welding?

- A) Bronze
- B) High carbon steel
- C) Mild steel
- D) Copper

83. What does BIS stand for?

- A) Bureau of Indian society
- B) Bureau of Indian standard
- C) Bureau of international standard
- D) Bureau of international society

84. Calculate the least count of V.B.P if 23 div on main scale is divided into 12 equal parts

- A) 5 Degree
- B) 100 Degree
- C) 28 Degree
- D) 1 Degree - 50 Degree

85. Which instrument can measure angle upto an accuracy of 5 minutes?

- A) Combination set
- B) Vernier bevel protractor
- C) Angle gauge
- D) Bevel gauge

86. Find the gears required to cut 4.5mm pitch on a lathe having a lead screw of 4 TPI. Gears available from 20 to 120 teeth by 5 teeth with a special gear of 127T.

- A) 127T on driver and 90T on driven
- B) 60T on driver and 127T on driven
- C) 90T on driver and 127T on driven
- D) 127T on driver and 60T on driven

87. What should be the heights of gauge block to be built to check the work angle of 30 Degree using 150 mm sine bar?

- A) 75
- B) 291.26
- C) 145.63
- D) 38.62

88. What are the uses of B.S.P thread?

- A) General fastening
- B) Load transmission
- C) Automobile industries
- D) Pipe and pipe fittings

89. Which method of thread forming produce threads on non-metals?

- A) Thread casting
- B) Thread rolling
- C) Thread milling
- D) Thread grinding

90. What is the reason for providing buttress thread in carpentry vice?

- A) For better appearance
- B) For easy use
- C) Pressure acts at one flank
- D) For easy manufacturing

91. Why the thread chaser is used to form threads?

- A) To reduce labour
- B) For easy thread cutting
- C) To time saving
- D) To get proper, crest, flat, root radius and profile

92. Calculate the change gear ratio to cut a thread of 7/16" lead on a lathe with lead screw of 4 TPI?

- A) 07-Apr
- B) 03-Apr
- C) 04-Jul
- D) 03-Jul

93. Calculate the depth of buttress thread diameter 30 mm of pitch 3mm?

- A) 1.25 mm
- B) 2.25 mm
- C) 3.00 mm
- D) 1.5 mm

94. What is the use of hand chaser?

- A) For making square thread
- B) Correcting and finishing a thread
- C) For production job
- D) To cut new thread

95. What is the core dia of square thread 75 x 11 mm pitch?

- A) 70 mm
- B) 65.8 mm
- C) 64 mm
- D) 60 mm

96. Which is the angle of inclination in the thread to the imaginary perpendicular line?

- A) Right angle
- B) Obtuse angle
- C) Helix angle
- D) Acute angle

97. Calculate the driven gear to cut 1.5mm pitch thread on a job using a lathe having lead screw of 4mm pitch with driver gear 30 teeth?

- A) 60
- B) 100
- C) 50
- D) 80

98. What will happen if threading tool is set below centre

height?

- A) Major diameter will changed
- B) Thread will be damaged
- C) Pitch will changed
- D) Difficult for catching

99. What is the value of tool life index for cutting cast iron by cemented carbide tool?

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

100. What is the name of device used to drive the work during turning between centres?

- A) Catch plate
- B) Face plate
- C) Lathe carrier
- D) Driving plate

101. Calculate the driven gear to cut 1.5mm pitch thread on a job using a lathe having lead screw of 5mm pitch with driver gear of 30 teeth?

- A) 60
- B) 120
- C) 100
- D) 50

102. How to measure the diameter of the small end of a external taper precisely?

- A) Precision roller with slip gauge
- B) Sine bar
- C) Vernier calipers
- D) Screw gauge

103. Which form of thread is widely used for fastening purpose?

- A) Saw tooth thread
- B) Square thread
- C) V - thread
- D) Knuckle thread

104. How the thread are formed in thread rolling?

- A) Plastic deformation
- B) Grinding
- C) Milling
- D) Casting

105. What is formula for finding depth of BSW external thread?

- A) $0.6134 \times \text{pitch}$
- B) $0.5 \times \text{pitch}$
- C) $0.6403 \times \text{pitch}$
- D) $0.7 \times \text{pitch}$

106. What is the shape of buttress thread flank?

- A) One flank is 30 Degree and the other 45 Degree
- B) One flank is 90 Degree and the other 45 Degree
- C) One flank is 60 Degree and the other 45 Degree
- D) Two flanks are at 60 Degree

107. What is the depth of square thread 60 x 5 mm pitch?

- A) 5 mm
- B) 2.5 mm
- C) 3 mm
- D) 4 mm

108. How many carriers are available in a set?

- A) 4 numbers
- B) 10 numbers
- C) 8 numbers
- D) 6 numbers

109. Calculate the driven gear to cut 2mm pitch on a job using a lathe having lead screw of 4mm pitch with driven gear 50 teeth?

- A) 50
- B) 100
- C) 120
- D) 60

110. Which is the chip less method of thread production?

- A) Thread milling
- B) Thread rolling
- C) Die head
- D) Thread grinding

111. What is the name of thread producing method by cold forging and by plastic deformation?

- A) Thread milling
- B) Thread grinding
- C) Thread rolling
- D) Thread casting

112. What is the formula to find out core diameter of external thread by using prisms and micrometer?

- A) Core dia = Measurement over prisms + Height of prisms + Two depth
- B) Core dia = Measurement over prisms + Height of prisms + Single depth
- C) Core dia = Measurement over prisms + Height of prisms + Single depth
- D) Core dia = Measurement over prisms + Height of prisms + Single depth of thread

113. How many un-numbered divisions on the British chasing dial?

- A) 18
- B) 4
- C) 12
- D) 3

114. Which method of threading is used in mass production?

- A) Thread rolling
- B) Thread grinding
- C) Using taps and dies
- D) Use single point cutting tool

115. Which mandrels is NOT used in between lathe centres?

- A) Cone mandrels
- B) Gang mandrels
- C) Stepped mandrels
- D) Taper Shank mandrels

116. What is the minor diameter of screw thread SQ 62 x 10.5 with depth clearance of 0.12 mm?

- A) 51.26 mm
- B) 51.00 mm
- C) 51.88 mm
- D) 46.64 mm

117. Why the ball centre is preferred in tail stock offset method?

- A) For good surface finish
 B) To avoid damage to the centre drilled hole of the job
 C) For provide power feed
 D) For accurate setting

- A) Driver 70T, Driven 50
 B) Driver 30T, Driven 40
 C) Driver 50T, Driven 30
 D) Driver 40T, Driven 50

118. How can measure the minor diameter of a internal thread accurately?

- A) By three wire method
 B) By plug gauge
 C) By using slip gauge and precision rollers
 D) By screw thread micrometer

127. A thread is represented as M12 x 1.5. What does represent the letter 12?

- A) Minor diameter
 B) Major diameter
 C) Root diameter
 D) Pitch

119. Calculate the amount of off-set if total length of job = 80 mm and tan = 5 Degree 45 minutes?

- A) 8 mm
 B) 10 mm
 C) 7 mm
 D) 12 mm

128. Which one is the disadvantage of using tail stock offset method?

- A) Only hand feed can be given
 B) External threads on taper can't produce
 C) Taper length is limited
 D) Taper turning is possible when work held between centre only

120. Which parameter of a thread is measured by three wire method?

- A) Pitch
 B) Effective diameter
 C) Major diameter
 D) Minor diameter

129. Select a suitable instrument for measuring angles?

- A) Vernier caliper
 B) Vernier height gauge
 C) Calipers
 D) Vernier bevel protractor

121. What is the relationship between pitch and depth of a buttress thread?

- A) depth = 0.6403 x pitch
 B) depth = 0.75 x pitch
 C) depth = 0.5 x pitch
 D) depth = 0.6134 x pitch

130. What is the use of a sine bar?

- A) To measure the length of a taper job
 B) To measure the gap
 C) To determine the angle of tapered job
 D) To measure the diameter of the job

122. Which is the method to produce accurate internal thread?

- A) Thread milling
 B) Using dies
 C) Thread rolling
 D) Thread chasers

131. What is the accuracy of the protractor head of a combination set?

- A) 5 Degree
 B) 1 Degree
 C) 1 Degree
 D) 1 Degree

123. Calculate the change gear (driven gear) if driver is 50 teeth to cut 2.5mm pitch thread on a job by lathe having a lead screw of 5mm pitch?

- A) 150
 B) 60
 C) 120
 D) 100

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

- A) 4.5 mm
 B) 8.5 mm
 C) 9.5 mm
 D) 9 mm

124. What is the formula for finding gear ratio for fractional pitch thread?

- A) $DR/DN = \text{Leads of screw to be cut} \times \text{No. Of threads per inch of lead screw}$
 B) $DR/DN = \text{TPI on lead screw} / \text{TPI to cut}$
 C) $DR/DN = \text{Lead of work} / \text{No. Of threads per inch}$
 D) $DR/DN = \text{Lead of head screw} / \text{Lead of work}$

133. Calculate the change gear (driver gear) if driven gear has 120 teeth to cut 3mm pitch on a job using lathe having 6 mm pitch lead screw?

- A) 100
 B) 150
 C) 50
 D) 60

125. Which part of the combination set is used for measuring the angles?

- A) Square head
 B) Centre head
 C) Rule
 D) Protractor head

134. Which terms are needed to calculate tool life index?

- A) Cutting speed time and index
 B) Cutting speed and feed
 C) Cutting speed and rpm of job
 D) Depth of cut and rpm

126. Calculate the change gears to cut a worm of 0.35" lead on a lathe with a lead screw of 4TPI?

135. Which is the smallest unit of angular measurement?

- A) Minutes
 B) Radian
 C) Degree
 D) Seconds

136. How many number of teeth in translating gear used for cutting metric thread on British lathe?

- A) 120
- B) 30
- C) 63
- D) 100

137. Which part is pivoted to the disc of vernier bevel protractor?

- A) Disc
- B) Stock
- C) Dial
- D) Blade

138. What is the reason for using ACME thread in lathe lead screw?

- A) Enable easy engagement
- B) Suitable for big diameter thread
- C) Easily available
- D) Manufacturing cost is less

139. What is the least count of vernier height gauge?

- A) 0.002 mm
- B) 0.001 mm
- C) 0.005 mm
- D) 0.020 mm

140. Which one is the example for transmission of motion using thread

- A) Rack and pinion
- B) Crank and slotted link
- C) Bevel gearing
- D) Worm and worm shaft

141. Calculate the change gears necessary to cut a thread of 7/16" lead on a lathe with a lead screw of 4TPI?

- A) Driver 30T, Driven 40T
- B) Driver 70T, Driven 40T
- C) Driven 30T, Driver 40T
- D) Driven 70T, Driver 40T

142. What is protected by providing pieces between work and carrier while clamping?

- A) Live centre
- B) Carrier
- C) Dead centre
- D) Job surface

143. Which formula is used to find depth of ACME thread?

- A) $0.6134 \times \text{pitch}$
- B) $0.6403 \times \text{pitch}$
- C) $0.75 \times \text{pitch}$
- D) $0.5 \times \text{pitch}$

144. How many teeth are in translating gear for cutting metric thread on British lathe?

- A) 122
- B) 125
- C) 129
- D) 127

145. Which chuck is mainly used for getting a very effective grip over the job?

- A) Push - out chucks
- B) Collect chuck
- C) Hydraulic chuck
- D) Magnetic chuck

146. How much times the spindle rotate the lead screw to cut

3 mm pitch thread in a 12 mm pitch lead screw?

- A) 4 times
- B) 5 times
- C) 3 times
- D) 6 times

147. How many seconds is 1 Degree?

- A) 3600000%
- B) 360000%
- C) 6000%
- D) 36000%

148. What is the name of chuck that hardend steel sleeve having slits cut partly?

- A) Collect chuck
- B) Combination chuck
- C) Hydraulic chuck
- D) Magnetic chuck

149. Which type thread is used in lathe lead screw?

- A) Buttress
- B) Metric
- C) ACME
- D) Square

150. Calculate the width of flat of buttress thread 6 mm pitch?

- A) 2 mm
- B) 1.5 mm
- C) 0.75 mm
- D) 1 mm

151. Which bonding material is not affected by water, acid or normal temperature?

- A) Resinoid
- B) Rubber
- C) Vetrified
- D) Backlite

152. How is the vernier height gauge generally specified?

- A) Width of beam
- B) Height of beam
- C) Size of base
- D) Thickness of beam

153. Find the gear required to cut 3 mm pitch in a lathe having a lead screw of 6 TPI gear available from 20 to 120 teeth by 5 teeth with a special gear of 127 teeth?

- A) Driver 20 teeth Driven 60 teeth
- B) Driver 60 teeth Driven 20 teeth
- C) Driver 127 teeth Driven 90 teeth
- D) Driver 90 teeth Driven 127 teeth

154. What is the criteria for the selection of interchangeable anvil of a screw thread micrometer?

- A) Major diameter
- B) Minor diameter
- C) Root diameter
- D) Profile and pitch

155. What is the purpose of tail on the lathe carrier?

- A) Locate and drive the work
- B) Protect the work
- C) Protect the operator
- D) Give good finish

156. What is thread element that determine the direction of rotation on screw thread?

- A) Depth of thread B) Lead of thread
C) Hand of thread D) Pitch of thread

157. What is the minor diameter of Trapezoidal square thread Tr 40 x 7 depth clearance of 0.01 mm?

- A) 36.50 mm B) 33.00 mm
C) 32.98 mm D) 36.49 mm

158. What is the angle of ACME thread

- A) 29 Degree B) 60 Degree
C) 45 Degree D) 55 Degree

159. What is the depth of ACME thread of 1inch major diameter 6TPI?

- A) 0.082 B) 0.08
C) 0.09 D) 0.084

160. Which is the welding process, if base metal and filler is melted to form the joint?

- A) By braze welding B) By arc welding
C) By gas welding D) By tig welding

161. How is the 'length of sine bars' specified?

- A) Distance between the centres of the rollers B) Length of the rollers
C) Length of datum surface D) Total length of the sine bar

162. What is removing dull grain in order to make grinding wheel sharp?

- A) Dressing B) Glazing
C) Loading D) Trueing

163. What is the only thread form cut using diehead is turret lathe?

- A) V-Thread B) Saw - Tooth
C) Square D) ACME

164. What is the depth of buttress thread if the pitch is 1.8 mm of 45 Degree angle?

- A) 0.910 mm B) 1.23 mm
C) 1.35 mm D) 0.42 mm

165. Which mandrel is used for machining similar part where internal diameter vary slightly?

- A) Expansion stud mandrel B) Taper Shank mandrels
C) Stepped mandrels D) Gang mandrels

166. Which mechanism is used for converting linear motion into rotary motion in plunger dial gauge?

- A) Rack and scroll mechanism B) Rack and pinion mechanism
C) Lever and scroll mechanism D) Scroll and pinion mechanism