

Student Name: _____ Roll No: _____

1. Which device is used as datum while marking with Vernier height gauge?

- A) Face plate B) Angle plate
C) Surface plate D) Driving plate

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

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

3. 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

4. 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) $0.5 \times \text{pitch}$ D) $0.317 \times \text{pitch}$

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

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

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

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

7. What is the tool life index of cemented carbide tool for turning high carbon steel?

- A) 0.15 B) 0.35
C) 0.4 D) 0.2

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

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

9. What term indicate actual size of the abrasive grain?

- A) Structure B) Abrasive type
C) Grit size D) Grade of bond

10. What is the angle of metric ACME thread

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

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

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

12. What is the angle of saw tooth thread?

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

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

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

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

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

15. What is the angle of ACME thread

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

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

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

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

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

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

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

19. 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) 100
C) 50 D) 25

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

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

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

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

22. 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 60 teeth Driven 20 B) Driver 20 teeth Driven 60 teeth
C) Driver 90 teeth Driven 127 D) Driver 127 teeth Driven 90 teeth

23. What is 1.25 stands for a metric thread designated as M12 x 1.25?

- A) Depth of thread B) Pitch of the thread
C) Major dia of thread D) Minor dia of thread

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

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

25. Which formula is used to find depth of buttress thread?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

33. 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

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

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

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

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

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

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

37. Convert 8 Degree 44 minutes into minutes?

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

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

- A) 6.75 mm B) 7.75 mm

C) 5.75 mm

D) 4.75 mm

39. 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 ? Single depth

B) Core dia = Measurement over prisms ? Height of prisms + Single depth

C) Core dia = Measurement over prisms ? Height of prisms + Two depth

D) Core dia = Measurement over prisms ? Height of prisms ? Single depth of thread

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

A) Bronze

B) High carbon steel

C) Copper

D) Mild steel

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

A) Saw - Tooth

B) Square

C) ACME

D) V-Thread

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

A) 60 mm

B) 65.8 mm

C) 70 mm

D) 64 mm

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

A) 28 Degree

B) 1 Degree - 50 Degree

C) 100 Degree

D) 5 Degree

44. 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) 100

B) 60

C) 150

D) 120

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

A) 1.5 mm

B) 1 mm

C) 0.75 mm

D) 2 mm

46. 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) 8.5 mm

D) 9 mm

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

A) Dead centre

B) Live centre

C) Job surface

D) Carrier

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

A) Minor diameter

B) Major diameter

C) Root diameter

D) Pitch diameter

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

A) Thread grinding

B) Thread rolling

C) Die head

D) Thread milling

50. 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) 80

B) 50

C) 100

D) 60

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

A) Taper length is limited

B) Taper turning is possible when work held between centre only

C) Only hand feed can be given

D) External threads on taper can't produce

52. Which is main criteria to increase the tool life?

A) Feed

B) Depth of cut

C) Material

D) Cutting speed

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

A) Straight tail

B) Bent tail

C) Clamp type

D) Safety clamp type

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

A) 3

B) 4

C) 12

D) 18

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

A) Square

B) Buttress

C) Metric

D) ACME

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

A) Length of datum surface

B) Total length of the sine bar

C) Length of the rollers

D) Distance between the centres of the rollers

57. Which is used to support hollows end jobs?

A) Female centre

B) Pipe centre

C) Tipped centre

D) Ball centre

58. 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) 50
C) 60
- B) 100
D) 120

59. What is the use of a sine bar?

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

60. Which is the angle of buttress thread?

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

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

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

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

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

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

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

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

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

65. How metric chasing dial differ from British chasing dial?

- A) Same as British chasing dial
C) One worm wheel and different dial
- B) More than one worm wheel and different dial
D) One worm wheel and one dial

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

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

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

- A) 0.002 mm
B) 0.005 mm

- C) 0.001 mm
D) 0.020 mm

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

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

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

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

70. What is the use of hand chaser?

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

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

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

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

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

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

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

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

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

75. 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) 120
C) 50
- B) 100
D) 60

76. What is the use of BSW thread?

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

77. What does BIS stand for?

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

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

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

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

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

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

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

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

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

82. Which angle is ground on ACME threading tool?

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

83. Which method is preferred for producing small length taper with least accuracy?

- A) Form tool method
B) Compound slide method
C) Taper turning attachment method
D) Tail stock offset method

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

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

85. What is the shape of buttress thread flank?

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

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

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

87. Select a suitable instrument for measuring angles?

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

88. 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) 90T on driver and 127T on driven
B) 60T on driver and 127T on driven
C) 127T on driver and 90T on driven
D) 127T on driver and 60T on driven

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

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

90. 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) $0.5 \times \text{pitch}$

91. Which is the term used to express grinding wheels to hold the abrasive particle together?

- A) Structure
B) Grit
C) Grain
D) Bond

92. How is the vernier height gauge generally specified?

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

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

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

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

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

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

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

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

- A) Vernier calipers
- C) Screw gauge

- B) Precision roller with slip gauge
- D) Sine bar

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

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

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

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

- B) Driver 40T, Driven 50
- D) Driver 50T, Driven 30

98. What is the thread form cut by using chasers?

- A) External square thread
- C) External and internal V - Thread

- B) Trapezoidal thread
- D) Internal square thread

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

- A) For easy thread cutting
- C) To get proper, crest, flat, root radius and profile

- B) To reduce labour
- D) To time saving

100. 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
- C) 03-Jul

- B) 04-Jul
- D) 03-Apr

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

- A) It take more time for repairing
- C) Heavy distortion due to heat

- B) The joint not suitable for thicker sections
- D) Dissimilar metals can be joined

102. What is the disadvantage of chaser?

- A) To cut square thread only
- C) To cut trapezoid thread only

- B) To cut knuckle thread only
- D) To cut V-thread only

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

- A) Solid mandrel
- C) Gang mandrel

- B) Threaded mandrel
- D) Stepped mandrel

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

- A) $0.6431 \times \text{pitch}$
- C) $0.6134 \times \text{pitch}$

- B) $0.6043 \times \text{pitch}$
- D) $0.6403 \times \text{pitch}$

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

- A) 56.45 mm
- C) 57.4 mm

- B) 52 mm
- D) 52.7 mm

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

107. What is the purpose of using thread micrometer?

- A) Measure minor diameter
- C) Measure pitch of the thread

- B) Measure major diameter
- D) Measure effective diameter

108. 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) 60
- C) 100

- B) 120
- D) 50

109. Which method is non metallic threads are produced?

- A) Thread casting
- C) Thread milling

- B) Thread grinding
- D) Thread chasing

110. Which wheel is used for grinding tough materials?

- A) Aluminium oxide
- C) Ceramic

- B) Cemented carbide
- D) Silicon carbide

111. Which is the smallest unit of angular measurement?

- A) Radian
- C) Seconds

- B) Degree
- D) Minutes

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

- A) 33.00 mm
- C) 32.98 mm

- B) 36.50 mm
- D) 36.49 mm

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

- A) 0.2
- C) 0.1

- B) 0.128
- D) 0.125

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

- A) Taper Shank mandrels
- C) Stepped mandrels

- B) Gang mandrels
- D) Expansion stud mandrel

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

- A) Measure major diameter
- C) Measure effective diameter

- B) Measure the pitch of the thread
- D) Measure minor diameter

116. What is the criteria for the selection of interchangeable

anvil of a screw thread micrometer?

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

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

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

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

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

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

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

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

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

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

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

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

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

123. 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) 38.62
- B) 75
- C) 291.26
- D) 145.63

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

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

125. How many seconds is 1 Degree?

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

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

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

127. Which method of brazing is commonly used to braze of carbide tip on a shank?

- A) Arc brazing
- B) Furnace brazing
- C) Torch brazing
- D) Induction brazing

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

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

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

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

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

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

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

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

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

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

133. What is the core diameter of BSW thread of 1 inch outer dia and 8 TPI

- A) 0.81 Inch
- B) 0.80 Inch
- C) 0.84 Inch
- D) 0.83 Inch

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

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

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

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

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

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

C) (3/4)

D) (1/2)

C) 3 times

D) 5 times

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

A) Pitch/6

B) Pitch/2

C) Pitch/8

D) Pitch/4

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

A) 0.09

B) 0.082

C) 0.08

D) 0.084

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

A) In between centres

B) In four jaw chuck

C) In face plate

D) Angle plate

140. What will happen if threading tool is set below centre height?

A) Difficult for catching

B) Pitch will changed

C) Major diameter will changed

D) Thread will be damaged

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

A) Major diameter

B) Minor diameter

C) Pitch

D) Effective diameter

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

A) Magnetic chuck

B) Collect chuck

C) Combination chuck

D) Hydraulic chuck

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

A) Thread milling

B) Thread grinding

C) Thread rolling

D) Thread casting

144. Which device uses buttress thread?

A) Carpentry vice

B) Lead screw of lathe

C) General purpose nut and bolt

D) Screw jack

145. Which material is suitable for button die chaser?

A) H.S.S

B) H.C.S

C) Low strength material

D) High strength material

146. How much times the spindle rotate the lead screw to cut 3 mm pitch thread in a 12 mm pitch lead screw?

A) 6 times

B) 4 times

147. 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) 150

B) 50

C) 60

D) 100

148. Which is the form of Trapezoidal thread?

A) Metric

B) BSF

C) ACME

D) BSW

149. How many carriers are available in a set?

A) 6 numbers

B) 4 numbers

C) 8 numbers

D) 10 numbers

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

A) Thread chasers

B) Using dies

C) Thread rolling

D) Thread milling

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

A) Checking squireness

B) Checking parallelism

C) Checking flatness

D) Checking 45 Degree and 60 Degree

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

A) $0.335 \times \text{pitch}$

B) $0.125 \times \text{pitch}$

C) $0.317 \times \text{pitch}$

D) $0.5 \times \text{pitch}$

153. Which thread is used for general purpose fastening?

A) BSW

B) BA

C) Unified

D) BSF

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

A) 55 Degree

B) 60 Degree

C) 27.5 Degree

D) 45 Degree

155. Which method is used for turning steep taper?

A) Form tool

B) Offset tail stock

C) Taper turning attachment

D) Compound slide swivel

156. What percentage of cutting speed is reduced for tool life doubling?

A) 0.084

B) 0.083

C) 0.082

D) 0.081

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

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

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

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

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

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

160. 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) 40/150
- B) 40/120
- C) 50/120
- D) 30/120

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

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

162. How the thread are formed in thread rolling?

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

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

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

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

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

165. 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) 150
- B) 120
- C) 60
- D) 100

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

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