

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

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

Answer: B) Steep taper can be produced

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

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

Answer: C) Copper

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

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

Answer: C) V - thread

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

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

Answer: A) Pitch of the thread

19. 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 + Two depth
- C) Core dia = Measurement over prisms ? Height of prisms ? Single depth of thread
- D) Core dia = Measurement over prisms ? Height of prisms + Single depth

Answer: C) Core dia = Measurement over prisms ? Height of prisms ? Single depth of thread

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

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

Answer: A) 60 Degree

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

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

Answer: D) $0.317 \times \text{pitch}$

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

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

Answer: C) The joint not suitable for thicker sections

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

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

Answer: A) By capillary action

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

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

Answer: A) Vernier bevel protractor

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

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

Answer: D) 1.5 mm

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

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

Answer: A) 52 mm

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

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

Answer: D) More than one worm wheel and different dial

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

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

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

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

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

Answer: D) Expansion stud mandrel

30. How the thread are formed in thread rolling?

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

Answer: C) Plastic deformation

31. Which material is suitable for button die chaser?

- A) H.C.S B) H.S.S
C) Low strength material D) High strength material

Answer: C) Low strength material

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

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

Answer: A) Protractor head

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

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

Answer: B) Pipe and pipe fittings

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

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

Answer: C) Taper length is limited to the movement of the top slide

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

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

Answer: C) 4.5 mm

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

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

Answer: C) 127

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

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

Answer: C) Vetrified

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

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

Answer: A) For avoid catching the thread in each cut

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

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

Answer: B) 32.98 mm

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

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

Answer: A) By using slip gauge and precision rollers

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

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

Answer: A) depth of buttress thread

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

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

Answer: D) External V - thread

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

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

Answer: D) V - thread

44. Which wheel is used for grinding tough materials?

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

Answer: B) Aluminium oxide

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

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

Answer: C) 2.5 mm

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

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

Answer: B) 63

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

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

Answer: C) $0.5 \times \text{pitch}$

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

- A) Grade of bond B) Grit size

C) Structure

D) Abrasive type

Answer: B) Grit size

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

A) Tapping

B) Thread casting

C) Thread milling

D) Thread grinding

Answer: A) Tapping

50. How many carriers are available in a set?

A) 4 numbers

B) 10 numbers

C) 6 numbers

D) 8 numbers

Answer: B) 10 numbers

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

A) BSW thread

B) BSF thread

C) BSP thread

D) BA thread

Answer: C) BSP thread

52. 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) 40/120

B) 30/120

C) 50/120

D) 40/150

Answer: A) 40/120

53. Which is the smallest unit of angular measurement?

A) Minutes

B) Degree

C) Radian

D) Seconds

Answer: D) Seconds

54. 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 127 teeth Driven 90 teeth

B) Driver 90 teeth Driven 127 teeth

C) Driver 60 teeth Driven 20 teeth

D) Driver 20 teeth Driven 60 teeth

Answer: B) Driver 90 teeth Driven 127 teeth

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

A) (2/3)

B) (1/2)

C) (1/4)

D) (3/4)

Answer: B) (1/2)

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

A) 2.25 mm

B) 1.5 mm

C) 3.00 mm

D) 1.25 mm

Answer: A) 2.25 mm

57. 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) 100

B) 120

C) 60

D) 50

Answer: C) 60

58. 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) 5 Degree

D) 100 Degree

Answer: C) 5 Degree

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

A) Suitable for big diameter thread

B) Easily available

C) Enable easy engagement

D) Manufacturing cost is less

Answer: C) Enable easy engagement

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

A) Thread milling

B) Thread grinding

C) Thread rolling

D) Die head

Answer: C) Thread rolling

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

A) Square

B) ACME

C) Buttress

D) Metric

Answer: B) ACME

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

A) 2 mm

B) 0.75 mm

C) 1.5 mm

D) 1 mm

Answer: B) 0.75 mm

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

A) Dial

B) Blade

C) Disc

D) Stock

Answer: A) Dial

64. What does BIS stand for?

A) Bureau of international standard

B) Bureau of Indian society

C) Bureau of Indian standard

D) Bureau of international society

Answer: C) Bureau of Indian standard

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

A) Grit

B) Bond

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

Answer: A) Major diameter

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

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

Answer: A) Square thread

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

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

Answer: C) Thread rolling

85. Which method is non metallic threads are produced?

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

Answer: D) Thread casting

86. Calculate the flat width of 10 mm pitch buttress thread?

- A) 4.25 mm B) 3.25 mm
C) 2.25 mm D) 1.25 mm

Answer: D) 1.25 mm

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

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

Answer: D) V-Thread

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

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

Answer: D) Thread casting

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

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

Answer: A) 4.5 mm

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

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

Answer: A) Taper Shank mandrels

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

- A) Safety clamp type B) Bent tail

- C) Clamp type D) Straight tail

Answer: C) Clamp type

92. 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) 60T on driver and 127T on driven B) 127T on driver and 60T on driven
C) 90T on driver and 127T on driven D) 127T on driver and 90T on driven

Answer: C) 90T on driver and 127T on driven

93. What is the use of BSW thread?

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

Answer: A) General purpose fastening

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

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

Answer: C) In between centres

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

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

Answer: C) To measure the minor diameter of internal thread

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

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

Answer: A) Depth is 1/2 pitch

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

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

Answer: A) Cutting speed time and index

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

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

Answer: D) $0.6134 \times \text{pitch}$

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

- A) 0.5 x pitch
C) 0.317 x pitch
- B) 0.125 x pitch
D) 0.335 x pitch

Answer: B) 0.125 x pitch

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

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

Answer: B) 64 mm

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

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

Answer: D) Job surface

102. 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
C) 38.62
- B) 145.63
D) 291.26

Answer: A) 75

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

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

Answer: A) 0.84 Inch

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

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

Answer: D) Precision roller with slip gauge

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

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

Answer: A) depth = 0.75 x pitch

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

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

Answer: A) 60 Degree

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

- A) Trapezoidal thread
C) External and internal V - Thread
- B) Internal square thread
D) External square thread

Answer: C) External and internal V - Thread

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

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

Answer: B) To get proper, crest, flat, root radius and profile

109. What is the use of a sine bar?

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

Answer: A) To determine the angle of tapered job

110. How many seconds is 1 Degree?

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

Answer: C) 360000%

111. 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) 120
C) 60
- B) 150
D) 100

Answer: D) 100

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

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

Answer: C) Driver 70T, Driven 50

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

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

Answer: D) Cutting speed

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

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

Answer: A) Cutting speed

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

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

Answer: B) Daily

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

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

Answer: C) Pitch/8

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

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

Answer: B) 1 Degree

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

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

Answer: B) Thread will be damaged

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

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

Answer: C) Collect chuck

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

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

Answer: A) Hand of thread

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

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

Answer: D) Thread milling

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

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

Answer: A) Dressing

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

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

Answer: C) 30 Degree

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

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

Answer: B) 0.084

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

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

Answer: B) 07-Apr

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

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

Answer: B) Distance between the centres of the rollers

127. 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) 51.88 mm
C) 46.64 mm D) 51.00 mm

Answer: A) 51.26 mm

128. Which thread is used for general purpose fastening?

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

Answer: D) BSW

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

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

Answer: C) Thread rolling

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

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

Answer: A) Effective diameter

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

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

Answer: B) Measure minor diameter

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

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

Answer: D) $0.6403 \times \text{pitch}$

133. How many un-numbered divisions on the British chasing

dial?

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

Answer: C) 4

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

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

Answer: D) Torch brazing

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

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

Answer: A) 8 mm

136. What is the angle of saw tooth thread?

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

Answer: B) 30 Degree

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

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

Answer: C) 0.020 mm

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

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

Answer: C) Surface plate

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

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

Answer: B) Profile and pitch

140. Convert 8 Degree 44 minutes into minutes?

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

Answer: D) 524

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

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

Answer: D) V-shape

142. 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

Answer: C) Pressure acts at one flank

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

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

Answer: C) Female centre

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

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

Answer: A) Rack and pinion mechanism

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

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

Answer: B) Form tool method

146. Which device uses buttress thread?

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

Answer: A) Carpentry vice

147. 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
- B) 60
- C) 100
- D) 50

Answer: C) 100

148. What is the disadvantage of chaser?

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

Answer: A) To cut V-thread only

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

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

Answer: A) Pitch diameter

150. 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

Answer: B) 120

151. 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) Loading
- C) Glazing
- D) Dressing

Answer: B) Loading

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

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

Answer: B) Thread rolling

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

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

Answer: A) Stepped mandrel

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

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

Answer: B) Braze welding

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

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

Answer: D) Helix angle

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

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

Answer: D) $0.75 \times \text{pitch}$

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

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

Answer: C) By arc welding

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

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

Answer: C) $0.6403 \times 1/10 \text{ Inch}$

159. Select a suitable instrument for measuring angles?

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

Answer: B) Vernier bevel protractor

160. Which angle is ground on ACME threading tool?

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

Answer: D) 29 Degree

161. 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 60 Degree and the other 45 Degree
- D) One flank is 90 Degree and the other 45 Degree

Answer: D) One flank is 90 Degree and the other 45 Degree

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

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

Answer: C) Forged copper

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

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

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

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

- A) 0.084
- B) 0.081
- C) 0.082
- D) 0.083

Answer: D) 0.083

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

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

Answer: A) 6.75 mm

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

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

Answer: D) Worm and worm shaft