

Student Name: _____ Roll No: _____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. 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

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

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

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

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

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

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

18. 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

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

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

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

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

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

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

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

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

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

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

24. 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

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

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

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

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

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

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

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

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

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

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

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

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

31. 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) 120
B) 100
C) 50
D) 60

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

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

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

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

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

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

35. What is the purpose of using thread micrometer?

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

36. Select a suitable instrument for measuring angles?

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

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

- A) ACME
B) Saw - Tooth

C) Square

D) V-Thread

38. 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

B) Driver 50T, Driven 30

C) Driver 30T, Driven 40

D) Driver 70T, Driven 50

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

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

B) $0.75 \times \text{pitch}$

C) $0.6403 \times \text{pitch}$

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

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

A) 04-Jul

B) 07-Apr

C) 03-Apr

D) 03-Jul

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

A) Saw tooth thread

B) Square thread

C) V - thread

D) Knuckle thread

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

A) Carrier

B) Live centre

C) Job surface

D) Dead centre

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

A) Scroll and pinion mechanism

B) Rack and scroll mechanism

C) Lever and scroll mechanism

D) Rack and pinion mechanism

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

A) By arc welding

B) By gas welding

C) By braze welding

D) By tig welding

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

A) Tail stock

B) Carriage

C) Compound rest

D) Head stock

46. Which is the form of Trapezoidal thread?

A) Metric

B) BSF

C) BSW

D) ACME

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

A) To measure the major diameter of external thread

B) To measure the minor diameter of internal thread

C) To measure the major diameter of internal thread

D) To measure the minor diameter of external thread

48. 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) 100

B) 60

C) 80

D) 50

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

A) BSW thread

B) BSF thread

C) Worm thread

D) Square thread

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

A) Angle gauge

B) Vernier bevel protractor

C) Bevel gauge

D) Combination set

51. How is the vernier height gauge generally specified?

A) Width of beam

B) Height of beam

C) Size of base

D) Thickness of beam

52. 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) 60

B) 120

C) 50

D) 100

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

A) Long taper can be produced

B) Thread on taper portion can be produced

C) Most suitable for duplicate taper work

D) Steep taper can be produced

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

A) 5 times

B) 3 times

C) 4 times

D) 6 times

55. Which is used to support hollows end jobs?

A) Pipe centre

B) Female centre

C) Tipped centre

D) Ball centre

56. What does BIS stand for?

A) Bureau of Indian society

B) Bureau of international standard

C) Bureau of Indian standard

D) Bureau of international society

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

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

58. Convert 8 Degree 44 minutes into minutes?

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

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

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

60. What is the angle of saw tooth thread?

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

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

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

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

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

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

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

64. 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) $0.6403 \times \text{pitch}$

65. Which is the smallest unit of angular measurement?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

73. 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

81. 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

82. 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

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

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

84. What is the use of BSW thread?

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

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

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

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

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

87. 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 B) 60
C) 100 D) 150

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

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

89. 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 B) 100
C) 50 D) 120

90. 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

91. 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) Damages the centre drilled holes of the work D) Taper length is limited to the movement of the top slide

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

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

93. 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 127 teeth Driven 90 teeth
C) Driver 60 teeth Driven 20 teeth D) Driver 90 teeth Driven 127 teeth

94. Which thread is used for general purpose fastening?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

103. 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
C) 127T on driver and 60T on driven
- B) 127T on driver and 90T on driven
D) 60T on driver and 127T on driven

104. 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
C) Driven 70T, Driver 40T
- B) Driver 30T, Driven 40T
D) Driver 70T, Driven 40T

105. Which wheel is used for grinding tough materials?

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

106. 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) Loading
- B) Dressing
D) Grooving

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

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

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

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

109. How the thread are formed in thread rolling?

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

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

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

111. How many carriers are available in a set?

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

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

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

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

114. Which method is non metallic threads are produced?

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

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

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

116. What is the shape of buttress thread flank?

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

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

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

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

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

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

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

120. Which method is used for turning steep taper?

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

121. What is the angle of metric ACME thread

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

122. What is the angle of ACME thread

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

123. What is the use of a sine bar?

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

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

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

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

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

126. Which material is suitable for button die chaser?

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

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

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

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

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

129. Which angle is ground on ACME threading tool?

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

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

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

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

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

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

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

133. How many seconds is 1 Degree?

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

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

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

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

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

136. What is the use of hand chaser?

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

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

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

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

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

139. Which is the angle of buttress thread?

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

140. 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) 145.63 D) 291.26

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

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

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

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

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

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

144. 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

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

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

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

- A) 5 minutes B) 4 minutes

- C) 2 minutes D) 3 minutes

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

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

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

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

149. 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

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

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

151. What is the disadvantage of chaser?

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

152. Which device uses buttress thread?

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

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

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

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

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

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

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

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

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

157. 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) 40/150
- D) 50/120

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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