

Student Name: _____ Roll No: _____

1. Which device uses buttress thread?

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

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

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

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

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

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

3. 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) 25
B) 50
C) 100
D) 150

10. 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) 51.26 mm
C) 51.88 mm
D) 46.64 mm

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

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

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

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

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

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

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

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

- A) $\text{Pitch}/4$
B) $\text{Pitch}/6$
C) $\text{Pitch}/2$
D) $\text{Pitch}/8$

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

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

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

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

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

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

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

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

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

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

- A) Abrasive type
- C) Grade of bond

- B) Grit size
- D) Structure

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

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

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

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

19. Which method is non metallic threads are produced?

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

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

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

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

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

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

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

23. What does BIS stand for?

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

24. 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
- C) 40/120
- B) 50/120
- D) 30/120

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

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

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

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

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

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

28. Which is used to support hollows end jobs?

- A) Pipe centre
- C) Ball centre
- B) Tipped centre
- D) Female centre

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

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

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

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

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

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

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

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

33. 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
- C) 6 times
- B) 5 times
- D) 3 times

34. How is the vernier height gauge generally specified?

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

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

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

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

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

37. 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) 3 mm
- D) 2 mm

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

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

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

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

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

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

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

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

42. 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) 50
- C) 80
- D) 100

43. 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

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

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

45. What is the use of BSW thread?

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

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

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

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

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

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

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

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

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

50. 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) 0.83 Inch
- D) 0.80 Inch

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

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

52. 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) 60
- B) 100
- C) 120
- D) 150

53. Which is the angle of buttress thread?

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

54. Which method is used for turning steep taper?

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

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

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

56. Which thread is used for general purpose fastening?

- A) BSW
- B) BSF

C) BA D) Unified

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

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

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

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

59. What is the purpose of using thread micrometer?

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

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

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

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

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

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

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

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

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

64. 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

65. 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) 50
C) 100 D) 60

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- A) Thread casting
- C) Thread milling

- B) Thread grinding
- D) Thread rolling

C) 129

D) 122

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

- A) Worm thread
- C) Square thread

- B) BSF thread
- D) BSW thread

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

- A) General fastening
- C) Pipe and pipe fittings

- B) Automobile industries
- D) Load transmission

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

- A) Minor diameter
- C) Profile and pitch

- B) Root diameter
- D) Major diameter

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

- A) Precision roller with slip gauge
- C) Screw gauge

- B) Sine bar
- D) Vernier calipers

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

- A) By plug gauge
- C) By three wire method

- B) By using slip gauge and precision rollers
- D) By screw thread micrometer

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

- A) depth = 0.5 x pitch
- C) depth = 0.75 x pitch

- B) depth = 0.6134 x pitch
- D) depth = 0.6403 x pitch

82. Which material is suitable for button die chaser?

- A) Low strength material
- C) H.C.S

- B) H.S.S
- D) High strength material

83. 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 time saving
- D) To reduce labour

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

- A) 0.005 mm
- C) 0.002 mm

- B) 0.020 mm
- D) 0.001 mm

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

A) 125

B) 127

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

- A) 03-Jul
- C) 07-Apr

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

87. Convert 8 Degree 44 minutes into minutes?

- A) 536
- C) 524

- B) 428
- D) 424

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

- A) 0.6403 x 1/10 Inch
- C) 0.6304 x 1/10 Inch

- B) 0.6314 x 1/10 Inch
- D) 0.6134 x 1/10 Inch

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

- A) 52.7 mm
- C) 52 mm

- B) 57.4 mm
- D) 56.45 mm

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

- A) Thread on taper portion can be produced
- C) Long taper can be produced

- B) Most suitable for duplicate taper work
- D) Steep taper can be produced

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

- A) Minor diameter
- C) Pitch

- B) Major diameter
- D) Root diameter

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

- A) Straight tail
- C) Clamp type

- B) Bent tail
- D) Safety clamp type

93. Which is the form of Trapezoidal thread?

- A) ACME
- C) Metric

- B) BSF
- D) BSW

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

- A) Measure minor diameter
- C) Measure effective diameter

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

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

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

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

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

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

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

97. What is the angle of metric ACME thread

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

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

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

98. 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) 291.26
 B) 38.62
 C) 75
 D) 145.63

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

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

99. 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) Driver 70T, Driven 40T
 D) Driven 70T, Driver 40T

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

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

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

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

110. 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) 50
 B) 100
 C) 150
 D) 60

101. 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

111. What is the use of hand chaser?

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

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

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

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

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

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

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

113. How many seconds is 1 Degree?

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

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

- A) 0.6431 x pitch
 B) 0.6403 x pitch
 C) 0.6134 x pitch
 D) 0.6043 x pitch

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

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

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

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

- A) 1 Degree
 B) 1 Degree

C) 1 Degree

D) 5 Degree

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

A) 0.910 mm

B) 1.35 mm

C) 1.23 mm

D) 0.42 mm

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

A) ACME thread

B) Saw - tooth thread

C) V - thread

D) Square thread

118. 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

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

A) 2 minutes

B) 5 minutes

C) 3 minutes

D) 4 minutes

120. What is the angle of ACME thread

A) 55 Degree

B) 60 Degree

C) 29 Degree

D) 45 Degree

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

A) Square

B) Saw - Tooth

C) V-Thread

D) ACME

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

A) 30 Degree

B) 47.5 Degree

C) 60 Degree

D) 55 Degree

123. What is the use of a sine bar?

A) To measure the gap

B) To measure the length of a taper job

C) To measure the diameter of the job

D) To determine the angle of tapered job

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

A) 65.8 mm

B) 60 mm

C) 64 mm

D) 70 mm

125. 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) 120

B) 50

C) 60

D) 100

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

A) Thread milling

B) Thread casting

C) Thread grinding

D) Tapping

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

A) 45 Degree

B) 27.5 Degree

C) 60 Degree

D) 55 Degree

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

A) More than one worm wheel and different dial

B) One worm wheel and different dial

C) Same as British chasing dial

D) One worm wheel and one dial

129. 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) 60

B) 120

C) 100

D) 150

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

A) Thread grinding

B) Die head

C) Thread milling

D) Thread rolling

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

A) Thread rolling

B) Thread milling

C) Thread casting

D) Thread grinding

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

A) Internal V - thread

B) Internal square thread

C) External V - thread

D) External square thread

133. 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) 90T on driver and 127T on driven

C) 127T on driver and 60T on driven D) 60T on driver and 127T on driven

134. How the thread are formed in thread rolling?

A) Casting

B) Plastic deformation

C) Milling

D) Grinding

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

A) Difficult for catching

B) Thread will be damaged

C) Pitch will changed

D) Major diameter will changed

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

A) By capillary action

B) By splashing

C) By fission

D) By fusion

137. What is the angle of saw tooth thread?

A) 29 Degree

B) 90 Degree

C) 30 Degree

D) 45 Degree

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

A) Grit

B) Bond

C) Grain

D) Structure

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

A) 0.128

B) 0.2

C) 0.1

D) 0.125

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

A) Knuckle thread

B) Square thread

C) V - thread

D) Saw tooth thread

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

A) In four jaw chuck

B) In between centres

C) In face plate

D) Angle plate

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

A) Ball centre

B) Revolving centre

C) Insert type centre

D) Female centre

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

A) Gang mandrel

B) Solid mandrel

C) Threaded mandrel

D) Stepped mandrel

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

A) Taper Shank mandrels

B) Stepped mandrels

C) Expansion stud mandrel

D) Gang mandrels

145. Which angle is ground on ACME threading tool?

A) 45 Degree

B) 55 Degree

C) 60 Degree

D) 29 Degree

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

A) Stainless steel

B) Forged aluminium

C) Forged copper

D) Forged steel

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

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

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

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

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

148. How many carriers are available in a set?

A) 4 numbers

B) 10 numbers

C) 6 numbers

D) 8 numbers

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

A) 0.082

B) 0.09

C) 0.08

D) 0.084

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

A) By tig welding

B) By arc welding

C) By gas welding

D) By braze welding

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

A) Stock

B) Disc

C) Dial

D) Blade

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

A) Hydraulic chuck

B) Magnetic chuck

C) Collect chuck

D) Push - out chucks

153. 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) 50

C) 120

D) 100

154. What is the disadvantage of chaser?

A) To cut knuckle thread only

B) To cut trapezoid thread only

C) To cut square thread only

D) To cut V-thread only

155. Which wheel is used for grinding tough materials?

A) Silicon carbide

B) Aluminium oxide

C) Cemented carbide

D) Ceramic

156. Which is the smallest unit of angular measurement?

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

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

157. Select a suitable instrument for measuring angles?

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

158. 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 the use of chasing dial
- C) For improve the productivity
- D) Reduce the wear and tear of half nut

159. 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 90 teeth Driven 127 teeth
- B) Driver 20 teeth Driven 60 teeth
- C) Driver 60 teeth Driven 20 teeth
- D) Driver 127 teeth Driven 90 teeth

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

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

161. What is the shape of buttress thread flank?

162. 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

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

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

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

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

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

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

166. 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