

<b>Q.20</b>	A rivet consists of a cylindrical part called _____
Option -A	a) head
Option -B	b) shank
Option -C	c) cylinder
Option -D	d) snap
<b>Correct Option</b>	b
<b>Q.20</b>	Rivets are usually made of _____
Option -A	a) cast iron
Option -B	b) wrought iron
Option -C	c) aluminum
Option -D	d) steel
<b>Correct Option</b>	b
<b>Q.20</b>	Which of the following is not a type of rivet head?
Option -A	a) Flat head
Option -B	b) Mushroom head
Option -C	c) High head
Option -D	d) Low head
<b>Correct Option</b>	d
<b>Q.20</b>	Shank diameter of the rivet depends upon the _____
Option -A	a) thickness of the plates to be joined
Option -B	b) height of the shank
Option -C	c) material of shank
Option -D	d) standards of manufacturing
<b>Correct Option</b>	a
<b>Q.20</b>	$d=6vt$ is the equation for diameter (d) and thickness (t) when _____
Option -A	a) d and t are in millimeters
Option -B	b) d and t are in inches
Option -C	c) d is taken from standard chart and t is calculated
Option -D	d) t is taken from standard chart and d is calculated

<b>Correct Option</b>	a
<b>Q.20</b>	Rivets of 3 to 10 mm shank diameter size are not used for _____
Option -A	a) sheet metal
Option -B	b) light structural work
Option -C	c) heavy steel structure
Option -D	d) iron sheets
<b>Correct Option</b>	c
<b>Q.20</b>	Size of large rivets varies from _____ shank diameter.
Option -A	a) 3 to 10 mm
Option -B	b) 5 to 20 mm
Option -C	c) 10 to 15 mm
Option -D	d) 12 to 48 mm
<b>Correct Option</b>	d
<b>Q.20</b>	Thickness of the plates to be joined and the type of joint decides the _____ of the rivet needed.
Option -A	a) type of head
Option -B	b) diameter
Option -C	c) length
Option -D	d) holes
<b>Correct Option</b>	c
<b>Q.20</b>	The plates to be joined with rivet are drilled with holes of a size slightly less than the shank diameter of the rivet.
Option -A	a) True
Option -B	b) False
Option -C	
Option -D	
<b>Correct Option</b>	b
<b>Q.20</b>	If the volume of the extra length is lesser than the head, the joint may be _____
Option -A	a) loose

Option -B	b) tight
Option -C	c) broken
Option -D	d) failed
<b>Correct Option</b>	a
<b>Q.20</b>	Caulking tool is used for _____ joint.
Option -A	a) loose
Option -B	b) tight
Option -C	c) leak-proof
Option -D	d) every rivet
<b>Correct Option</b>	c
<b>Q.20</b>	Which of the following isn't a main part of rivet?
Option -A	a) Head
Option -B	b) Shank
Option -C	c) Point
Option -D	d) Thread
<b>Correct Option</b>	d
<b>Q.20</b>	A rivet is specified as a 20mm rivet. What does it mean?
Option -A	a) None of the mentioned
Option -B	b) Shank dia 20mm
Option -C	c) Head dia 20mm
Option -D	d) Both head and shank dia 20mm
<b>Correct Option</b>	b
<b>Q.20</b>	In hand riveting die is a part of hammer.
Option -A	a) True
Option -B	b) False
Option -C	
Option -D	
<b>Correct Option</b>	b

<b>Q.20</b>	In hot riveting the shank portion is subjected to compressive stress.
Option -A	a) True
Option -B	b) False
Option -C	
Option -D	
<b>Correct Option</b>	b
<b>Q.20</b>	The amount by which the two rods to be joined are drawn together is called as?
Option -A	a) Draw
Option -B	b) Portray
Option -C	c) Lead
Option -D	d) Pitch
<b>Correct Option</b>	a
<b>Q.20</b>	Two steel rods connected by cotter joint are subjected to 50 kN load each. What is the minimum diameter required of the rods? (Given: Yielding Stress= 400N/mm <sup>2</sup> ; Factor of Safety=6)
Option -A	a) 31mm
Option -B	b) 35mm
Option -C	c) 36mm
Option -D	d) 40mm
<b>Correct Option</b>	a
<b>Q.20</b>	Among punching and drilling, which is cheaper?
Option -A	a) Punching
Option -B	b) Drilling
Option -C	c) Equally expensive
Option -D	d) Cannot be determined
<b>Correct Option</b>	a
<b>Q.20</b>	Among punching and drilling, punching is safer.
Option -A	a) True
Option -B	b) False
Option -C	

Option -D	
<b>Correct Option</b>	b
<b>Q.20</b>	Riveting is not recommended for aluminium alloys.
Option -A	a) True
Option -B	b) False
Option -C	
Option -D	
<b>Correct Option</b>	b
<b>Q.20</b>	In joining steel plate and asbestos, welding is preferred over riveting.
Option -A	a) True
Option -B	b) False
Option -C	
Option -D	
<b>Correct Option</b>	b
<b>Q.20</b>	Quality checking of riveted joint is much expensive than that of welded joint
Option -A	a) True
Option -B	b) False
Option -C	
Option -D	
<b>Correct Option</b>	b
<b>Q.20</b>	A power screw is only used to convert rotary motion into linear motion and not for transmitting power.
Option -A	a) True
Option -B	b) False
Option -C	
Option -D	
<b>Correct Option</b>	b
<b>Q.20</b>	Depending upon the holding arrangement, power screws operate in how many

	different arrangements.
Option -A	a) 2
Option -B	b) 3
Option -C	c) 4
Option -D	d) 5
<b>Correct Option</b>	a
<b>Q.20</b>	A power screw has no problem of wear as there is very less amount of friction associated.
Option -A	a) True
Option -B	b) False
Option -C	
Option -D	
<b>Correct Option</b>	b
<b>Q.20</b>	V threads are highly recommended for fastening as well as power transmission purpose.
Option -A	a) Yes
Option -B	b) Never
Option -C	c) In some cases
Option -D	d) Can't be stated
<b>Correct Option</b>	b
<b>Q.20</b>	Trapezoidal threads are better than square threads as there is radial pressure or side thrust on the nut.
Option -A	a) True
Option -B	b) False
Option -C	
Option -D	
<b>Correct Option</b>	b
<b>Q.20</b>	Trapezoidal threads screws have less load carrying capacity as compared to square thread screws.
Option -A	a) True
Option -B	b) False

Option -C	
Option -D	
<b>Correct Option</b>	b
<b>Q.20</b>	Which of the following are true for buttress threads?
Option -A	a) Combination of square and trapezoidal threads
Option -B	b) Transmit motion in one direction only
Option -C	c) They are used in vices
Option -D	d) All of the mentioned
<b>Correct Option</b>	d
<b>Q.20</b>	Tr 40 x 14(P 7), here 14 indicates
Option -A	a) Pitch
Option -B	b) Lead
Option -C	c) Diameter
Option -D	d) None of the mentioned
<b>Correct Option</b>	b
<b>Q.20</b>	Nominal diameter of the screw thread is the same as core diameter.
Option -A	a) True
Option -B	b) False
Option -C	
Option -D	
<b>Correct Option</b>	b
<b>Q.20</b>	If nominal diameter of screw thread=50mm and pitch=10mm then the mean diameter of the screw thread will be?
Option -A	a) 40mm
Option -B	b) 45mm
Option -C	c) 60mm
Option -D	d) 55mm
<b>Correct Option</b>	b

<b>Q.20</b>	If the load itself begin to the screw and descend down, unless a restraining torque is applied then the condition is termed as
Option -A	a) Halting
Option -B	b) Overhauling
Option -C	c) Front driving
Option -D	d) None of the mentioned
<b>Correct Option</b>	b
<b>Q.20</b>	Self-locking takes place when
Option -A	a) Coefficient of friction is equal to or greater than the tangent of the helix angle
Option -B	b) Coefficient of friction is lesser than or equal to the tangent of the helix angle
Option -C	c) Coefficient of friction is equal to or greater than the tangent of the helix angle
Option -D	d) None of the mentioned
<b>Correct Option</b>	c