

[Home](#) >

Apply

Examination: [2017 SUMMER](#)

Que.No	Question/Problem	marks
Q 3 d)	Compare welded joints with screwed joints. (Any six points)	4
Q 4a)(iv)	Define following terms w.r.t. bolts: 1) Major diameter 2) Minor diameter 3) Pitch 4) Lead	4
Q 6 c)	A bracket as shown in Figure No. 1 is fixed to a vertical steel column by means of five standard bolts.	4
Q 6 e)	State the strength equation of double parallel fillet weld and single transverse fillet weld with neat sketches	4

Examination: [2017 WINTER](#)

Que.No	Question/Problem	marks
Q 1 k)	Give two examples, where screwed joints are preferred over welded joints.	2
Q 4 a)	Fig 2 show a C.I. bracket to carry of a shaft	8
Q 5 a)	Parallel and transverse Weld	8

Examination: [2016 SUMMER](#)

Que.No	Question/Problem	marks
Q 3 e)	Describe 'bolt of uniform strength' with neat sketch	4
Q 4a)(iii)	State any four advantages and disadvantages of welded joints over riveted joints.	4
Q 6 c)	Determine the size of bolt in the cylinder head of a steam engine. The engine cylinder has a bore of 400 mm and the maximum steam pressure to which the cylinder is subjected is 1.5 N/mm² . Cylinder head is held on the cylinder by 16 number of bolts. The p	4

Examination: [2016 WINTER](#)

Que.No	Question/Problem	marks
Q 3 d)	Explain why bolts of uniform strength are preferred. Draw sketches of two different types of bolts of uniform strength	4
Q 4a)(iv)	State four disadvantages of screwed joints.	4
Q 6 a)	Derive strength equation for parallel fillet weld subjected to tensile load.	4
Q 6 c)	A steam engine cylinder has effective diameter of 250 mm. It is subjected to maximum steam pressure of 1.5 MPa. The cylinder cover is fixed to the cylinder with the help of 12 bolts. The pitch circle diameter of bolts is 400 mm. Permissible tensile stress	4

Examination: [2015 SUMMER](#)

Que.No	Question/Problem	marks
Q 6 a)	State the strength equations of double parallel.....	8

Examination: [2015 WINTER](#)

Que.No	Question/Problem	marks
Q 3 d)	Explain with neat sketch the bolts of uniform strength.	4
Q 4a)(iv)	A cylinder head of steam engine is held in position by M20 bolts.....	4
Q 4b)(ii)	Explain the following types of stresses.....	6
Q 6 c)	A wall bracket is fixed to the wall by means of three bolts.....	8
