
Apply

Examination: 2017 SUMMER

Que.No	Question/Problem	marks
Q 1 f)	Classify the cam	2
Q 1 g)	Define following terms with respect to cam and follower	2
Q 1 h)	What are the limitations of knife edge follower ?	2
Q 2 c)	Draw and explain in short, types of followers used in cam and follower.	4
Q 5 a)	A cam with 40 mm minimum diameter rotates in clockwise.....	8

Examination: 2017 WINTER

Que.No	Question/Problem	marks
Q 1a)(b)	State types of cams.	2
Q 2 e)	Draw the labelled displacement, velocity and acceleration diagrams for a follower when it moves with uniform velocity.	4
Q 3 f)	Give detailed classification of followers.	4
Q 5 b)	Draw the profile of a cam to raise a valve with S.H.M. through 40 mm in of revolution, keep it fully raised through 1/10 th 1 th 4 revolution and to lower it with uniform acceleration and retardation in 1/6 th revolution. The valve remains closed during t	8

Examination: 2016 SUMMER

Que.No	Question/Problem	marks
Q 1a)(ii)	Define (i) Pressure angle (ii) Pitch point related to cam.	2

Que.No	Question/Problem	marks
Q 2 e)	Draw neat sketch of radial cam with follower and show on it (i) Base circle. (ii) Pitch point. (iii) Prime Circle. (iv) Cam profile	4
Q 3 f)	What are the different types of follower motion ? Also draw displacement diagram for uniform velocity.	4
Q 5 b)	Draw the profile of cam operating a roller reciprocating follower	8

Examination: 2016 WINTER

Que.No	Question/Problem	marks
Q 1a)(iii)	State the advantages of roller follower over knife edge follower.	2
Q 2 d)	Explain with neat sketch different types of follower.	4
Q 3 a)	Discuss the following motion of the follower by drawing the displacement velocity and acceleration diagram.	4
Q 5 b)	Draw profile of cam to raise the valve with S.H.M. through 5cm.....	8
Q 6a)(i)	Define the following terms as applied to cam with neat sketch.	4

Examination: 2015 SUMMER

Que.No	Question/Problem	marks
Q 1a)(b)	Enlist the different type of follower motion.	2
Q 2 e)	Draw a neat sketch of radial cam with roller follower and show the following on it.....	4
Q 3 b)	Why roller follower is preferred over a knife follower ? State two advantages and application of roller follower.	4
Q 5 b)	Construct a cam profile with knife edge follower having an offset of 10 mm.....	8

Examination: 2015 WINTER

Que.No	Question/Problem	marks
Q 1a)(ii)	State any two types of motion of the follower.	2
Q 2 e)	Define the following terms related to cams.	4
Q 3 f)	Give detailed classification of followers.	4

Que.No	Question/Problem	marks
Q 5 b)	Problem : A cam is to give the following motion to a knife edged follower : (i) Outstroke during 60° of cam rotation. (ii) Dwell for the next 30° of cam rotation.....	8