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Examination: [2017 SUMMER](#)

Que.No	Question/Problem	marks
Q 2 f)	A multiplate clutch has three pairs of contact surfaces. The outer and inner radii	4
Q 3 f)	Centrifugal Clutch	4
Q 6 d)	Explain the working of single plate clutch with neat diagram.	4

Examination: [2017 WINTER](#)

Que.No	Question/Problem	marks
Q 1b)(b)	State function of clutch. Explain working principle of clutch.	4
Q 3 d)	Draw the neat sketch of diaphragm clutch and explain its working.	4
Q 4 e)	A flat foot step bearing 225 mm in diameter supports a load of 7500 N. If the co-efficient of friction is 0.09 and the shaft rotates at 600 rpm, calculate the power lost in friction.	4
Q 6 c)	A single plate clutch, effective on both sides, is required to transmit 25 kW at 3000 rpm. Determine the outer and inner radii of frictional surface, if the co-efficient of friction is 0.255 the ratio of radii is 1.25 and the maximum pressure is not to ex	8

Examination: [2016 SUMMER](#)

Que.No	Question/Problem	marks
Q 1b)(ii)	Explain: (i) Uniform pressure theory. (ii) Uniform wear theory in clutches and bearing.	4
Q 3 d)	Draw a labelled sketch of multiplate clutch and state its applications.	4
Q 4 e)	A multiplate disc clutch transmits 55 kW.....	4

Examination: [2016 WINTER](#)

Que.No	Question/Problem	marks
Q 1b)(ii)	Compare multiplate clutch with cone clutch on the following basis.	4

Examination: [2015 SUMMER](#)

Que.No	Question/Problem	marks
Q 1b)(b)	Explain working principle of clutch. State its location in transmission system of an automobile.	4
Q 3 a)	Draw a neat labelled sketch of “Multiplate Clutch”.	4
Q 6 c)	An engine of a car has a single plate clutch developed maximum torque 147 N-m.....	8

Examination: [2015 WINTER](#)

Que.No	Question/Problem	marks
Q 1b)(ii)	What is the necessity of clutch? State its types.	2
Q 3 d)	Draw the neat sketch of single plate clutch and explain its working.	4
Q 4 e)	Problem : A vertical shaft 150 mm in diameter and rotating at 100 rpm rests on a flat end footstep bearing. The shaft carries.....	4
Q 6 c)	A single plate clutch with both sides effective has outer and inner diameters	8
