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Examination: [2017 SUMMER](#)

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

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Que.No	Question/Problem	marks
Q 1b)(b)	<a href="#">State function of clutch. Explain working principle of clutch.</a>	4
Q 3 d )	<a href="#">Draw the neat sketch of diaphragm clutch and explain its working.</a>	4
Q 4 e )	<a href="#">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.</a>	4
Q 6 c )	<a href="#">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</a>	8

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Q 1b)(ii)	<a href="#">Explain: (i) Uniform pressure theory. (ii) Uniform wear theory in clutches and bearing.</a>	4
Q 3 d )	<a href="#">Draw a labelled sketch of multiplate clutch and state its applications.</a>	4
Q 4 e )	<a href="#">A multiplate disc clutch transmits 55 kW.....</a>	4

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<b>Q 1b)(ii)</b>	<a href="#">Compare multiplate clutch with cone clutch on the following basis.</a>	4

Examination: [2015 SUMMER](#)

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<b>Q 1b)(b)</b>	<a href="#">Explain working principle of clutch. State its location in transmission system of an automobile.</a>	4
<b>Q 3 a )</b>	<a href="#">Draw a neat labelled sketch of “Multiplate Clutch”.</a>	4
<b>Q 6 c )</b>	<a href="#">An engine of a car has a single plate clutch developed maximum torque 147 N-m.....</a>	8

Examination: [2015 WINTER](#)

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<b>Q 1b)(ii)</b>	<a href="#">What is the necessity of clutch? State its types.</a>	2
<b>Q 3 d )</b>	<a href="#">Draw the neat sketch of single plate clutch and explain its working.</a>	4
<b>Q 4 e )</b>	<a href="#">Problem : A vertical shaft 150 mm in diameter and rotating at 100 rpm rests on a flat end footstep bearing. The shaft carries.....</a>	4
<b>Q 6 c )</b>	<a href="#">A single plate clutch with both sides effective has outer and inner diameters .....</a>	8

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