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Examination: 2017 SUMMER

Que.No	Question/Problem	marks
Q 1 o)	State effects of imbalance in machine.	2
Q 6 e)	State reasons for balancing of rotating elements of machine. Explain balancing concept.	4
Q 6 f)	Four masses A, B, C and D are attached to a shaft and revolve in the same plane.....	4

Examination: 2017 WINTER

Que.No	Question/Problem	marks
Q 1a)(h)	Why is balancing of rotating parts necessary for high speed engines ?	2
Q 3 e)	Write the procedure for balancing of a single rotating mass by single masses rotating in the same plane.	4
Q 4 f)	Four masses attached to a shaft and their respective radii of rotation are given as : m 1 = 180 kg m 2 = 300 kg m 3 = 230 kg m 4 = 260 kg r 1 = 0.2 m r 2 = 0.15 m r 3 = 0.25 m r 4 = 0.3 m The angles between successive masses are 45□, 75□ and 135□. Find th	4

Examination: 2016 SUMMER

Que.No	Question/Problem	marks
Q 1a)(viii)	Why is balancing of rotating parts necessary for high speed engines?	2
Q 3 e)	Write the procedure of balancing single rotating mass when it balance mass is rotating in the same plane as that of disturbing mass.	4
Q 4 f)	A rotor having the following properties.....	4

Examination: 2016 WINTER

Que.No	Question/Problem	marks
Q 1a)(viii)	State the adverse effect of imbalance of rotating elements of machine.	2
Q 3 d)	Three masses 10 kg, 20 kg and 15kg are attached at a point	4
Q 4 f)	Explain the process of balancing of single rotating mass by a single mass rotating in the same plane.	4

Examination: 2015 SUMMER

Que.No	Question/Problem	marks
Q 1a)(h)	Why is balancing of rotating parts necessary for high speed engines ?	2
Q 3 c)	Write the procedure for balancing of a single rotating mass by single masses rotating in the same plane.	4
Q 4 e)	Three masses 10 kg, 20 kg and 15 kg are attached at a point at radii of 20 cm.....	4

Examination: 2015 WINTER

Que.No	Question/Problem	marks
Q 1a)(viii)	State any two adverse effects of imbalance.	2
Q 3 e)	Procedure for balancing single rotating mass when its balancing mass is rotating in same plane:	4
Q 4 f)	Position and magnitude of balance mass required	4