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Examination: [2017 SUMMER](#)

Que.No	Question/Problem	marks
Q 5c)(i)	Define following terms as applied to rolling contact bearings: 1) Basic static load rating 2) Basic dynamic load rating 3) Limiting speed	8
Q 5c)(ii)	List important physical characteristics of good bearing material.	8
Q 6 d)	What are rolling contact bearings? State their advantages over sliding contact bearings.	4

Examination: [2017 WINTER](#)

Que.No	Question/Problem	marks
Q 1 h)	How do you express the life of bearings?	2
Q 1 I)	State any four applications of rolling contact bearings.	2
Q 2c)(ii)	(ii) How will select bearing from manufacturer catalogue?	8

Examination: [2016 SUMMER](#)

Que.No	Question/Problem	marks
Q 5c)(ii)	State any four advantages of ball bearings over plain journal bearings.	8
Q 6 d)	State any four disadvantages of rolling bearings as compared to journal bearings	4

Examination: [2016 WINTER](#)

Que.No	Question/Problem	marks
Q 5c)(i)	(i) State the steps involved in selection of a proper ball bearing from a manufacturer's catalogue.	8

Que.No	Question/Problem	marks
Q 6 d)	Differentiate between sliding contact and rolling contact type bearings.	4
Q 6 e)	State one application each of (i) Deep groove ball bearing (ii) Taper roller bearing (iii) Thrust roller bearing (iv) Needle roller bearing	4
Q 6 e)	A taper roller bearing has a dynamic load capacity of 26 kN. The desired life for 90% of the bearing is 8000 hr. and speed is 300 rpm. Calculate equivalent radial load that the bearing can carry	4

Examination: [2015 WINTER](#)

Que.No	Question/Problem	marks
Q 5c)(I)	Differentiate between sliding contact and rolling contact bearings.	6
Q 6 d)	Explain the selection procedure of bearings from manufacturer's catalogue.	8
Q 6 e)	State the applications of following bearings with suitable reasons:	8
