

**Way to extract optimum life from bearings**

Sr. No	Question: ( Put ✓ against appropriate answer in Entry / Exit Column)	Entry	Exit
1	<b>What is the most common cause of Premature Bearing Failure ?</b>		
	a. Wrong Fit on shaft / housing		
	b. Wrong way of fitting a bearing		
	c. Improper Lubrication		
	d. Presence of Contamination in the bearing		
	e. Bearing defect		
2	<b>A Deep Groove Ball Bearing can be used to carry</b>		
	a. Only Radial Load		
	b. Only Thrust Load		
3	<b>A Cylindrical Roller Bearing can replace a Deep Groove Ball Bearing</b>		
	a. Never		
	b. Always		
4	<b>A Spherical Roller Bearing can withstand maximum misalignment of</b>		
	a. 10' of an arc		
	b. 3 <sup>0</sup>		
5	<b>Grease is</b>		
	a. Thick Oil		
	b. A Petroleum Distillate		
6	<b>Grease replenishment should be done</b>		
	a. As frequently as possible		
	b. Only when the bearing gets hot or makes noise		
7	<b>All types of greases are suitable for all bearings and may be mixed</b>		
	a. True		
	b. False		
8	<b>A Shaft should be cleaned with Emery paper after removing Bearing</b>		
	a. Recommended		
9	<b>A Bearing may be fitted on a tight shaft by hammering Outer Ring</b>		
	a. Recommended		
10	<b>A Bearing may be heated to any temperature for fitting on shaft</b>		
	a. Recommended		

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11	<b>Maximum oil level in the sump of an oil bath should be</b>		
	a. Up to the shaft		
	b. Up to middle of the lowest roller / ball of the bearing		
	c. In between the above two		
12	<b>Oil in the bath may be topped up with any grade of oil available</b>		
	a. Recommended		
	b. Not Recommended		
13	<b>Extent of contact between Bearing bore and shaft / sleeve must be</b>		
	a. At least 50%		
	b. At least 75%		
	c. Between 80-90%		
14	<b>A Sleeve can be hammered home between Bearing and Shaft</b>		
	a. Recommended		
	b. Not Recommended		
15	<b>Internal Radial Clearance of a bearing is not required</b>		
	a. True		
	b. False		
16	<b>Bearing rings and rollers are hardened to</b>		
	a. 20 - 40 HRC		
	b. 58 - 65 HRC		
	c. 75 - 85 HRC		
17	<b>Oil Film between the worst-loaded ball / roller and raceway must be</b>		
	a. 1 mm thick		
	b. 100 μm thick		
	c. 0.1 - 1 μm thick		
18	<b>Every time a bearing is removed, the seating must be measured</b>		
	a. True		
	b. False		
19	<b>If a shaft gets undersize, it may be repaired by punching / knurling</b>		
	a. True		
	b. False		
20	<b>Number appearing in a Grease Specification e.g., Servogem 2 means</b>		
	a. Viscosity		
	b. Consistency		
	c. Do not know		
<b>Date :</b>			

<b>Name :</b>
<b>Designation :</b>
<b>Department :</b>
<b>Contact No. :</b>