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| **Subject Name:** Machine Design | **Subject Code: NME-501** | **Max Marks:** 10 |

1. Figure shows a bracket supported by four rivets of equal diameter to withstand an

eccentric load of 50 kN. Determine the size of the rivet taking the permissible shear stress in the rivet equal to 80 MPa.



1. A bracket is attached to a steel chamber by means of 9 identical rivets as shown in Fig. Determine the diameters of the rivets if the permissible shear stress is 60 MPa.

