

	a) Basic size b) Tolerances on shaft and hole c) Maximum and minimum clearances		
17	A metric screw thread is being inspected using the two-wire method in order to measure its effective diameter and the following data is generated: pitch = 1.5 mm, diameter of the bestsize wire = 0.866 mm, distance over the wires = 26.58 mm, and thread angle = 60°. Determine the effective diameter of the screw thread. Flanges of the micrometer on teeth flanks.' Justify this statement. [10M]	4	L2
	OR		
18	Discuss the major applications of CMMs. [10M]	4	L2
19	Explain how a gear caliper enables an accurate measurement of chordal thickness of a spur gear. [10M]	5	L2
	OR		
20	Give a classification of thread gauges. [10M]	5	L2