Q.P. Code: 25048

Total Marks: 80 Duration: 3 Hours

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	So	lestion No.1 is compulsory lve any three out of remaining questions sume suitable data if required and mention it clearly	
4.	Fig	gures to right indicate full marks	7
Q1		How will maintain compromise between quality and cost? Differentiate between primary and tertiary standards? Explain concept of flatness. Explain importance of surface conditions	5 5 5 5
Q2		Explain construction and working of any one mechanical comparator Explain following terms with respect to limit, fit and tolerances:- 1) Upper deviation 2) Lower deviation 3) Fundamental Deviation 4) Tolerance grades 5) Clearance Fit	10 10
Q3		Explain Taylor Hobson surface roughness measuring instrument in detail Explain different quality costs	10 10
Q4		Explain Principle, Construction and working of Parkinson's Gear tester. Explain following:- 1. Pie Charts 2. Bar Charts 3. Scatter Diagrams	10 10
Q5		Explain three wire method used in screw thread measurement. Explain following:- 1. R -Chart 2. P-Charts 3. np charts 4. X bar charts	10 10
Q6	A] B]	Explain construction and working of Tool Maker's Microscope Sketch OC curve and explain various elements of it. Also explain double sampling plans	10 10