

COURSE NAME : MECHANICAL AND PRODUCTION ENGINEERING / PRODUCTION TECHNOLOGY
COURSE CODE : ME/PT/PG/MH/MI
SEMESTER : FIFTH FOR ME / PG / PT AND SIXTH FOR MH/MI
SUBJECT TITLE : METROLOGY & QUALITY CONTROL
SUBJECT CODE : 9097

Teaching and Examination Scheme:

Teaching Scheme			Examination Scheme						
TH	TU	PR	PAPER HRS	TH	TEST	PR	OR	TW	TOTAL
04	--	02	03	80	20	50#	-	25@	175

Rationale:

The mechanical Engineering technician often come across measuring different parameters of machined components and the appropriate fitment of interchangeable components in the assemblies. For the above purpose he/she is also required to analyze the quantitative determination of physical magnitude and ensure the control of quality.

During previous semesters different systems of measurement and their units etc have been introduced in the subject, basic physics. The different methods and instruments which can be used for linear and angular measurements, geometrical parameters (like surface finish, Squareness, Parallelism, Roundness etc ..) and the use of gauges and system of limits, Fits, Tolerances etc. are often required to be dealt in detail by diploma technician on the shop floor. He/she is also required to analyze, Interpret and present the data collected, graphically & statistically for ensuring the quality.

The knowledge of the subject also forms the basis for the design of mechanical measurements systems, design & drawing of mechanical components.

objectives:

Students will be able to:

1. Define accuracy, precision, calibration, sensitivity, repeatability and such relevant terms in metrology.
2. Select appropriate instrument/s for specific measurement.
3. Analyze and interpret the data obtained from the different measurements processes and present it in the graphical form, statistical form.
4. Construct and draw the control charts.
5. Understand ISO certification procedure and quality system.

Metrology And Quality Control 9097 Model Answer

Ian Pickup



Metrology And Quality Control 9097 Model Answer:

Nuclear Science Abstracts ,1976 *Metron* ,1972 Measurement control automation PASCAL ,1991 *Energy Research Abstracts* ,1991 Government Reports Annual Index ,1987 *Business Publication Advertising Source* ,2000-08
Directory of American Research and Technology ,1997 **Bulletin** Institute of Paper Chemistry (Appleton, Wis.),1971
Congressional Record United States. Congress,2007 Indian Science Abstracts ,1979 Sociological Abstracts Leo P. Chall,1993 *Abstract Bulletin of the Institute of Paper Chemistry* ,1982 **Pollution Abstracts** ,1996 Indexes material from conference proceedings and hard to find documents in addition to journal articles Over 1 000 journals are indexed and literature published from 1981 to the present is covered Topics in pollution and its management are extensively covered from the standpoints of atmosphere emissions mathematical models effects on people and animals and environmental action Major areas of coverage include air pollution marine pollution freshwater pollution sewage and wastewater treatment waste management land pollution toxicology and health noise and radiation **Cumulative Author Index to Psychological Abstracts** ,1981 High Energy Physics Index ,1989 *Government Reports Index* ,1974 **Science Abstracts** ,1965
Oceanic Abstracts ,1997-10 International Bibliography of Corn: Indexes : author index, subject index ,1985
Thomas Register of American Manufacturers ,2003 Vols for 1970 71 includes manufacturers catalogs

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