

**SARDAR PATEL UNIVERSITY**  
**Programme & Subject: M.Sc (QPM)**  
**Semester: II**  
**Syllabus with effect from: December - 2014**

<b>Paper Code: QP - 203</b>	<b>Total Credit:</b>
<b>Title Of Paper: Quality Management Systems</b>	

Unit	Description in Detail	Weightage (%)
I	<p>ISO 9000 Quality Management System Overview: History and current status of ISO 9000 around the globe · Understanding the 20 requirements of the ISO 9000 Standard · Changes to the 1994 ISO 9000 Standard and their effects · Effects of ISO registration on a company.</p> <p>ISO 9000 Quality Management System Implementation: Understanding the ISO requirements · How to plan for ISO 9000 implementation · choosing the right registrar for your organization · Concepts of third-party registration.</p>	[10]
II	<p>ISO 9000 Quality Management System Documentation: Review of the ISO 9000 requirements for system documentation · Structure of a documented quality system · Development of a documentation strategy · Use of a standard organization and format that is readable and clear · Appropriate level of detail at each documentation tier · Techniques to achieve major savings in time and cost · Techniques for reducing resource requirements for document control.</p> <p>ISO 9000 Internal Quality Auditing: Analysis of the four requirements related to internal quality auditing · Designing an internal quality audit program · Effective auditing techniques · Completing a full audit through live audit simulation exercises · Evaluating the significance of audit findings · Improving communication skills during the audit presentation. · Reporting the findings and evaluations</p>	[10]
III	<p>ISO 9000:2000 AUDITOR/LEAD AUDITOR TRANSITION: A brief discussion on transition from ISO 1994 to ISO 9000 and recent transitions.</p> <p>AS 9100 Aerospace Quality Management System Overview: AS 9000 was revised and renamed AS 9100 on November 1, 1999. Aircraft manufacturers may flow this standard down to all levels of suppliers. Key Topics include: Understanding AS 9100 requirements · Major differences between AS 9100 and ISO 9000 · Effects of AS 9100 on your company</p> <p>QS 9000 Automotive Quality Management System Overview: Key topics: History and current status of QS 9000 around the globe · Understanding the 20 requirements of the QS 9000 standard · How QS 9000 requirements go beyond the basic ISO 9000 standard · Description of the minimum quality system requirements that the Big Three auto manufacturers expect of their suppliers · Effects of QS 9000 registration on your company.</p>	[10]
IV	<p>ISO 14000 Environmental Quality Management System Overview : Key Topics: Understanding ISO 14000 requirements · Effects and benefits of ISO 14000 on your company · Implementation of ISO 14000 · Meeting ISO 14000 auditing requirements · Registering to ISO 14001.</p> <p>OHSAS 18001:1999 Occupational Health and Safety Management System: Scope, Terms and Definitions, OH and S Management System Elements, General Requirements, OH and S Policy, Planning, Implementation and Operation, Checking an Corrective Action, Management Review.</p>	[10]



## Basic Text & Reference Books:-

- A.K. Chakravarti, P.K.Basu and S.C. Chakravarti( 2005). ISO 9001:2000 (Implementation, Improvement Tools Techniques, Transition To TQM), Asian Books.
- Marilyn Block and Robert Marash ( 2001)Integrating ISO 14001 into a Quality Management System, 2nd Ed., ASQ Quality Press.
- K.Prasadrao, V. Narayana and Rama Murthy( ). ISO 14000
- V. Narayana. K.Prasad Rao. and K. Ganapathy() Understanding ISO 9000: 2000.
- Divya Singhal and K. R. Singhal ( 2008) Implementing ISO 9001:2000 Quality Management System, Prentice Hall India.
- Joseph Cascio, Gayle Woodside, Philip Mitchell(1996 )ISO 14000 Guide: The New International Environmental Management Standards, McGraw-Hill

