SARDAR PATEL UNIVERSITY
Programme: MCA
Semester: V
Syllabus with effect from: June 2015

Paper Code: PS05CMCA03	Total Credit: 4
Title Of Paper: Business Information Systems	

Unit	Description in detail	Weighting (%)
1	**Operations Management - I** The operations function, framework for managing operations, strategic role of operations, Strategic Planning, productivity and quality, Forecasting in operations, selection of forecasting model, Designing product, services and processes – Product development, manufacturing process technology, Flexible Manufacturing Systems (FMS), Computer Integrated Manufacturing (CIM), Design of services and service processes, Layout concepts	
2	**Operations Management - II** Job Design, Effective Job Design, Production and Operations Standards, Work measurement, Operations Planning and Scheduling Systems, Aggregate planning process, Strategies for developing aggregate planning Inventory control fundamentals – concept, costs, modeling, applications Material Requirements Planning (MRP) – concepts, advantages, limitations Introduction to Manufacturing Resource Planning (MRP-II), Just-In-Time Manufacturing (JIT)	
3	**Business Processes - I** Introduction to business process, The process phenomenon, Kinds of Processes, Process representation and models, process domains, meta-process, engineering of processes, the engineering approach to solving problems	
4	**Business Processes - II** Process contexts, introduction, the context for process modeling, context of the process, Process Capture - introduction, Modeling notations, managing the modeling exercise, creating the model, Process Design - using organization process modeling (OPM) for design, Process Management - the problem and its context, the meta-process as a solution, the approach to the solution	
5	**Business Information Systems - I** Information Systems – introduction, evolution and types, IT – Support at different organization levels, Managing IT in organization, Internet, Intranet and Extranet, Interorganizational Information Systems, Global Information Systems	
6	**Business Information Systems - II** Electronic Commerce and Electronic Business Information Systems to support Business functions – Enterprise Resource Planning (ERP), Enterprise Information Portal (EIP), Customer Relationship Management (CRM), Supply Chain Management (SCM) Decision Support Systems (DSS), Group DSS, Executive Support in Enterprise	

Basic Text & Reference Books

- James A. O'Brien, Management Information Systems, 5th Edition, Tata McGraw-Hill Publishing Company Limited, 2002 (ISBN-0-07-048637-9)
- Warboys Brian, Business Information Systems: a Process Approach. Tata McGrawHill, 2001
- Evertt E. Adam, Jr. Ronald J. Ebert, Production and Operations Management (Concepts, models and behavior) 5th Edition, Prentice-Hall of India, 2005 (ISBN-81-203-0838-7)
- Kenneth C Laudon & Jane P Laudon, Management Information Systems 7th Ed, Pearson Education Asia, Inc., 2002 (ISBN – 81-7808-563-1).
- Software Magazines on Current Topics
- Internet Web Sites