

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN

B.C.A. Semester – III

Elective-I : BCA-304 : Enterprise Resource Planning

Teaching Scheme (Per week)		Teaching Scheme (Per semester)		Examination Scheme					
				INT		EXT		TOTAL	
Th. (hours)	Pr. (hours)	Total Hours	Credit	Th. (marks)	Pr. (marks)	Th. (marks)	Pr. (marks)	Th. (marks)	Pr. (marks)
4	--	40	4	30	--	70	--	100	--

Unit - I

[18 Marks]

Introduction to ERP : Introduction ERP, ERP General Model, Evolution of ERP, Reasons for growth of ERP, Reasons for failure, why ERP Packages are used now ? Enterprise Overview - Integrated Management Information, Business Modeling, Integrated Data Model
ERP Technologies: - BPR, MIS, DSS, EIS, SCM (Supply Chain Management), ERP Generations.

Unit - II

[17 Marks]

ERP Implementation Lifecycle : Pre-evaluation screening, package evaluation, project planning phase, Gap Analysis, Reengineering, Configuration, Team training, Testing, Going live, End-user Training, Post Implementations, Role of Vendors, consultants and user's, Cost of ERP Implementation.

Unit - III

[18 Marks]

ERP Modules: Business Modules, Finance, Plant maintenance, Quality Management, Materials Management, Manufacturing, Human resources, Sales and Distribution, ERP Software Vendors: Introduction, SAP AG, Baan, PeopleSoft Oracle and JD Edwards.

Unit - IV

[17 Marks]

ERP-Present and Future Directions: Limitation of ERP, Implementation requirements, ERP & E-Commerce, ERP & Internet, Future Directions, **ERP and Related Technologies :-** Business Process Re-engineering ,Data Warehousing, Data Mining ,OLAP ,Product Lifecycle Management ,Customer Relationship Management ,Geographical Information Systems, Intranets and Extranets

Text Book:

1. **ERP Demystified by Alexis Leon** : TMH Publication (10th edition)
2. **ERP**, VinodKumar Garg and NK Venkitakrishan : PHI Publication
3. **Enterprise Resource Planning** , second edition by Alexis Leon, Tata McGraw Hill

Question Paper Scheme:

University Examination Duration: 3 Hours.

Q.1 - Unit-I (18 Marks)

- A. Objective/ Short Questions.
- B. Descriptive/ Long questions.

Q.2 - Unit-II (17 Marks)

- A. Objective/ Short Questions.
- B. Descriptive/ Long questions.

Q.3 - Unit-III (18 Marks)

- A. Objective/ Short Questions.
- B. Descriptive/ Long questions.

Q.4 - Unit-IV (17 Marks)

- A. Objective/ Short Questions.
- B. Descriptive/ Long questions.

Note: All Objective/ Short Questions are compulsory, no option will be given.

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