

एकीकृत विद्वर्षीय पाठ्यक्रम
कक्षा शास्त्री / शास्त्रिक्षिकाशास्त्री / वीथ द्वितीय वर्ष
विषय विषयक प्रवर्धनेन

प्रश्नपत्र क्रमांक अष्टम, ख वर्गी दरद्वान्तक

पूर्णांक 40

Unit -1	Internet – concepts , growth of internet , types of connectivity – broadband wifi, methods of sharing internet connection, use of proxy server, Internet Services, Email- Concepts of emailing, pop and web based e-mail, merits, Email protocols, Fmail server and client programmers.	08
Unit 2	E- commerce – Emergence of the internet and world wide web, commercial use of internet Emergence of world wide web, Advantage and disadvantage of e-commerce. Transition to E-commerce in india and its opportunity for industries. Models : Business Models Models based on relationship of transaction parties, model based on the relationship of transaction types. E –marketing vs traditional marketing (identifying web presence goals browsing behavior model , online marketing, e- advertisement, internet marketing trends, E-branding and E- marketing Strategies.	08
Unit3	E- security- Information system security, security on the internet E business risk management issues , information security environment in India. E payment systems. Digital payment (e) transactions, digital token based e- payment systems, properties of electronic cash, risk and e payment systems and designing, e- payment systems. Secure business web store, online payment, internet Banking. Security E- commerce security, issues, cryptography, digital signature and authentication protocol, digital certificates online security, secure Electronic Transaction (SET)	08
Unit 4	Evolution of database technology, file oriented system database system client server platforms database system in the organization ,database and data sharing, strategic database planning management control risks and cost of database, logical and physical data presentation (DDA) E copies of Conceptual database design, objects specialization generalization relationship, cardinality Attributes, relational data models fundamental concepts, normalization process, transforming conceptual model to relational model, Relational Algebra, Relational implementation with SQL, Introduction :-DDI, DML, DCL, TCL, schema and table definition , SQL functions Mathematical functions, group functions , View definitions (introduction, command to create a VIEW .	08
Unit 5	Physical storage media disk performance factors, Data storage format file organization and methods implementing managing the data base environment database administration and control DBA functions , goals integrity, security, and recover Introduction to SQL: Component of SQL, DDL, DML, Query language DCL, TCL, SCL, etc. Invoking SQL* plus : data Oracle data types two dimensional matrix creation, insertion, updation, deletion, operations the many faces of SELECT Command, creating tables using query, inserting data using Query, inserting data using query, modifying the structure of tables , renaming tables, dropping tables, dropping column, logical operators, range searching pattern matching, use of Alias , Oracle functions, Accessing data from multiple tables, Set operation. Unit Internet Unit 5 Data constraint : FD Constraints, Business rule constraints, computing data from tables joins: Equi joins , self joins Sub Queries, Views, sequences constraints, use of savepoint, ROLLBACK & COMMIT commands creating user accounts granting permission revoking permission.	08
आवृत्तिकमल्याङ्कन (CCE)		10

Text books

1. Database Management & design by G.W. Hansen & J.V. Hansen
2. Database System Concepts by Silberschatz, Korth & Sudarshan.
3. SQL/PL/SQL by P.S.Deshpande.
4. Introduction to database System by C.J Date
5. Internet for everyone by Alex Inf con and Matthew Leon
6. Introduction to E-commerce by Zheag Qin
7. Doing business on the internet : E- Commerce by S.Jaiswal
8. Database Management & design by G.W. Hansen & J.V. Hansen.
9. Database System Concepts by Silberschatz, Korth & Sudarshan.
10. SQL/PL/SQL by P.S.Deshpande.
11. Introduction to database system by C.J Date.
12. Internet for everyone by Alex Inf con and Matthew Leon
13. Introduction to E-commerce by Zheag Qin
14. Doing business on the internet : E- Commerce by S.Jaiswal

1. To set and change computer name.
2. To set and change work group name.
3. To include web-site in your favorite.
4. To un-hide pop-up block.
5. To show default workgroup name.
6. To set default workgroup name.
7. To set default gateways.
8. To identify IP address.
9. To set URL as home page.
10. To set IP address and subnet mask.
11. To view network connection.
12. To change font size of web content.
13. To view the coding of web page.
14. To enable/disable firewall.
15. To turn on and turn off automatic updates.
16. To create e-mail account.
17. To send e-mail.
18. To add name in address book.

SQL

1. Create table for student information like name age add phone class college etc using- create a table command
2. Insert data into tables using both type of insert commands.
3. Add another Column into database using modify command
4. Select particular type of data using select Command using like functions etc.
5. Create another table from old table.
6. Run Commands like Drop table ROLLBACK EDIT DESC etc
7. Apply nested query by joining two tables & select particular data item from both tables
8. Arrange columns data items in ascending or descending order
9. Create view & indexes on table
10. Join tables using join commands

12. Create client table with following fields-cid, cname, cadd, city, state and insert 10 records
13. Create customer table with following fields-cust_id, cust_name, cust_city, state and insert 10 records and apply the following constraints: *NO NULL, *Primary Key, *Check Constraint, *Unique
14. Select two fields from the table using following clauses *Order by, *Distinct.
15. Select fields from the table and apply oracle functions like *AVG(), *MAX(), *MIN(), *COUNT(), *ABS(), *POWER(), *ROUND()
16. Apply the WHERE clause on Client(cid, name, salary, cadd, city, state) table with 1.SELECT 2.DELETE 3. To insert data into another table
17. Create a table and apply ALTER TABLE command on the table
18. Retrieve client information like cust_id, cust_name, city for customers where field city= Delhi or Baroda.
19. Create tables and relate them by using foreign key and reference table.