COMPUTER APPLICATION (COMMERCE)

Chapter	Focus Area
1. Review of C++ Programming	Tokens, Data types, Expressions, Type conversion, Control statements. Simple programs may be asked.
2. Arrays	Syntax to declare array, Accessing of elements, String handling, I/O functions to handle strings. Basic traversal program.
3. Functions	Built in functions (Name, use and output), Types of arguments, Call by value and Call by reference method. *(No programs required)*
4. Web Technology	Static and Dynamic web pages, Comparison of Client side and Server side scripts, Structure of HTML code, Container tags and empty tags, Common attributes of <BODY> tag, Use of important tags(Headings, , <P>, <HR>, text formatting tags, <MARQUEE>, <FONT>, <IMG>), Only the essential attributes need to be considered.
5. Web Designing using HTML	Lists (Ordered, Unordered, Definition), <A> tag and HREF attribute, Definition of internal and external linking, Table tags, Listing and use of Input controls in Form, Coding questions may focus only on simple lists and simple tables.
6. Client side Scripting using JavaScript	<SCRIPT> tag, Data types, var keyword, Operators, Control structures and Built-in functions – use and outputs.
7. Web Hosting	Types of web hosting, FTP client software, Free hosting
8. Database Management System	Advantages of database, Components of DBMS, Types of users, RDBMS terminologies , Relational operations (Select, Project, Union, Intersection)
9. Structured Query Language	SQL components, SQL data types, Constraints, Use of commands (DDL - CREATE TABLE, DROP TABLE; DML - SELECT, DELETE, UPDATE with essential clauses only). SQL queries based on Create, Select (only WHERE clause) and Delete.
10. Enterprise Resource Planning	Functional units of ERP (listing only), Examples for ERP packages, Benefits of ERP.
11. Trends and Issues in ICT	Mobile communication services, Short note on mobile OS, Cyber crimes against individuals.

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