XII STANDARD COMPUTER APPLICATION
IMPORTANT 5 MARKS
CHAPTER 1 TO 18

1.   MULTIMEDIA AND DESKTOP PUBLISHING

1. Explain in detail process of multimedia.
2. Explain Techniques of Animation.
3. Explore the opportunities in Animation field movie industry.
4. Explain production team roles and responsibilities.
5. Explain about different file format in multimedia files.
6. How multimedia is used in Business Systems?
7. How multimedia used in Libraries, Information centers and Archives ? Explain.
8. Explain various components of multimedia.
9. Explain applications of multimedia.

2.   INTRODUCTION TO ADOBE PAGEMAKER

1.   Explain the tools in page maker tool box.
2.   Write the steps to place the text in a frame.
3.   How can you convert text in a text block to a frame ?
4.   Write the steps to draw a star using polygon tool ?
5.   What are the different methods of selecting the text ?
6.   Describe the components of page maker window.
7.   Explain to print a page maker document with available options.
8.   What are the methods to unthread a threaded block ?
9.   Explain various methods of character formatting.

3.INTRODUCTION TO DATABASE MANAGEMENT SYSTEM

1. Discuss on various database models available in DBMS.
2. List the basic concepts of ER model.
3. Discuss in detail on various types of attributes in DBMS.
4. Write a note on open source software tools available in MYSQL Administration.
5. Explain in detail on sub queries with example.
6. Explain the types of SQL commands.
7. Tabulate the ER Diagram Notations.
8.Explain: i) primary key   ii) Foreign key   iii) Candidate key   iv) Super key   v) Composite key
9. Explain RDBMS Jargons in Detail.

4.INTRODUCTION TO HYPER TEXT PREPROCESSOR

1. Explain client and server side scripting language.
2. Explain the detail about website development activities.
3. Explain the process of webserver installation.
4. Discuss in detail about PHP data types.
5. Explain operators in PHP with examples.
6. Explain different client server architecture model.
7. Explain different types of PHP syntax.
8. Explain important features of PHP.

5.PHP FUNCTION AND ARRAY

1. Explain function concepts in PHP.
2. Discuss in detail about user define functions.
3. Explain the multidimensional array.
4. Explain Array concepts and their types.
5. Explain Indexed Array and Associate array in PHP.
6. Write important characteristics of PHP functions.

6. PHP CONDITIONAL STATEMENTS

1. Explain function conditional statements in PHP.
2. Explain switch statement with example.
3. Explain the Process of conditional statement in PHP.
4. Explain concepts of if elseif else statement.
5. Explain if else statement in PHP.

7. LOOPING STRUCTURE

1. Explain looping structure in PHP.
2. Discuss in detail about For each loop.
3. Explain the process do-while loop.
4. Explain the concepts of for loop with example.
5. Explain array concepts in looping structure.
6. Explain while loop in PHP.

8. FORMS AND FILES

1. Explain Form handling methods.
2. Explain about HTML form controls.
3. Explain the process file handling.
4. Explain concepts of HTTP Uploading process.
5. Explain in detail of File Handling functions.
6. How will you append a file in PHP ?
7. Explain file uploading method in PHP.

9. CONNECTING PHP AND MYSQL

1. Explain in detail about MYSQL functions with　　example.
2. Explain the Database error handling and management process in PHP ?
3. Explain in detail types of MYSQL connection method in PHP ?
4. Explain MYSQLi Queries with example.
5. Write about the MYSQLi function MYSQLi_connect()
6. Write about the MUSQLi function MYSQLi_query()

10. INTRODUCTION TO COMPUTER NETWORKS

1. Define computer networking and internet. Explain different developments on computer network and internet.
2. Explain developments on computer network and internet.
3. Mention some uses of network at business, home, mobile, social application.
4. What are the advantages of internet.
5. Explain the common uses of computer networks.
6. Explain how social networks are useful to the Individuals and community.
7. Explain the attributes of social networking.
8. Write in detail about the internet explosion.

11. NETWORK EXAMPLES AND PROTOCOLS

1. Explain about Internet, Intranet and Extranet.

2. Discuss about OSI model with its layers.

3. Difference between TCP/IP and OSI Reference Model.

4. Explain about the development , merits and demerits of mobile networks.

5. Explain the generations of mobile networks.

6. Explain any 5 applications of internet , intranet and extranet.

7. Explain the working of passive and active RFID systems with diagram.

8. Discuss in detail about TCP/IP Protocols.

9. Explain the important protocols present in Network layer, Transport Layer, Network Layer.

10. Write short note on Internet.

12. DOMAIN NAME SYSTEM

1. Explain Briefly the components of DNS.

2. Classify and explain IP address.

3. Explain about the name server ?

4. What is domain name space? explain ?

5. Explain how the DNS is working ?

6. What are the basic rules of domain names ?

7.Explain URL .

8. Write notes on Hierarchical name space.

13. NETWORKING CABLING

1. What is meant by registered jack ? Explain briefly the types of jacks.

2. Explain wiring techniques used in Ethernet cabling.

3. Explain about RJ45 connector.

4. Explain the components used in Ethernet cabling.

5. Explain the type of Network cables.

6. List the steps involved in crimping process for making Ethernet cables.

14. OPEN SOURCE CONCEPTS

1. Difference between proprietary and open source software.

2. List out the benefits of open source software.

3. Explain the various open source license.

4. Difference between open source software and free software.

5. Explain network simulation Tool_ NS2 in detail.

6. Explain in detail open NMS.

7. Explain about network simulation ?

8. Explain with a diagram how open source work.

15. E-Commerce

1. Write about the development and growth of Electronic commerce.

2.List all the E-Commerce business models and explain any four briefly.

3. Explain any five E-Commerce revenue models.

4. Difference between traditional commerce and E- Commerce.

5. Advantages and disadvantages of e-Commerce to a consumer.

6.Explain the benefits of E-Commerce to a business organization.

7.Explain various limitations of E-Commerce for a business organization.

8. Explain steps to start an E-Business.

9. Write any five important events of the E-Commerce timeline.

16. ELECTRONIC PAYMENT SYSTEMS

1.What is Credit card ? Explain the key phases of a credit card payment system and merits.

2.Explain Electronic Account Transfer and its types.

3. Write a note on i) Internet banking ii) Mobile Banking

4. What is Crypto Currency ? Explain the same.

5. Explain unified payment interface.

6. Explain the details available on the front and rear side of the credit card.

7.What is ECS ? Difference between ECS and Credit and Debit.

8. Write the steps to transfer fund using net banking.

9. Explain debit card.

10. Explain smart card.

11. Explain in detail about credit card number.

12. Explain the advantages of credit card.

13. Write in detail about the classification of smart card.

14. Write the steps to transfer funds using net banking .

15.Explain the advantages of UPI.

17.E-COMMERCE SECURITY SYSTEMS

1. Write about dimensions of E-Commerce security.

2. Explain Encryption technology.

3. Difference between digital signature and digital certificate.

4. Define Secure Electronic Transaction(SET) and its features.

5. Explain SSL.

6.Explain various types of E-Commerce threats.

7.Explain Common digital certificate systems.

8. Explain the Symmetric and Asymmetric key. Encryption and its working using a diagram.

18.ELECTRONIC DATA INTERCHANGE

1. Explain various types of EDI.

2. Advantages of EDI.

3. Write about structure of EDIFACT.

4.Explain with neat diagram the processing of EDI via VAN.

5. Describe how data flows from one computer to another in EDI Layer.

6.Explain the EDIFACT message DTM+11:200 606 200 703:203

7. Draw the UNIEDIFACT msg structure.

8. Explain EDI standards.

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