

**KGS MATRIC HR SEC SCHOOL  
TIRUPUR**

**12<sup>TH</sup> COMPUTER APPLICATIONS**

**IMPORTANT TWO AND THREE MARKS CHAPTER WISE**

**CHAPTER 1**

**MULTIMEDIA AND DESKTOP PUBLISHING**

**2 MARKS**

1. What is meant by the term multimedia?
2. What are the various of digital media?
3. Write a short note on static text.
4. Write a short note on vector images.
5. Compare path animation and frame animation.
6. Define sampling rate.
7. Write a note on MIDI.
8. What is video ?
9. What are the different types of video ?
10. List the areas where multimedia has played a vital role.
11. What are the different types of images ?
12. Write a note on color depth.
13. Classify analog video.
14. What is composite analog video ?
15. What is the advantage of vector image ?
16. What is mean by compression ? name compression formats.
17. What is sound component and how it is measured ?
18. Which format uses lossy compression technique > what is the use?
19. Define frame animation.
20. Write note on RTF text format.
21. Mention some text editors.
22. Compare BMP and DIB.
23. Write note on tagra.
24. Write note on MP3 format.
25. Write a note on WMA.
26. Write a note on RA format.
27. What are the factors to be considered while delivering the multimedia product ?
28. Name the various fields where multimedia plays a vital role.
29. What is kiosk ?

**3 MARKS**

1. Define path animation.
2. Mention some characteristics of composite analog video.
3. Write note on TIFF.
4. Difference between GIF and JPEG.
5. Explain PNG, MPEG format.
6. List out the steps in multimedia production.
7. What is meant by digital library ?
8. Expand PNG, AIFF, WMA, RA, WAV, AVI.
9. What are static and hyper text ? how text component is utilized in multimedia ?
10. What is conceptual analysis and planning ?
11. What is production phase in multimedia project development ? what is document? Is it mandatory?
12. How multimedia used in education and entertainment ?
13. How multimedia used in medical service, public places, multimedia conferencing.

**CHAPTER 2**

**AN INTRODUCTION TO ADOBE PAGE MAKER**

**2 marks**

1. WHAT IS THE PURPOSE OF PAGE LAYOUR TOOL ?
2. What are the components of page maker window?

3. What is title bar ?
4. What are the menu options available in menu bar ?
5. What is tooltip ?
6. Write the steps to show and hide toolbox in page maker.
7. Write the steps to show and hide ruler in page maker.
8. What is the purpose of undo command ?
9. How to move a text box in page maker?
10. Write short note on text block in page maker.
11. How will you rejoin the split blocks?
12. What do you mean by threading text ?
13. How will you close a document?
14. How to remove pages in pagemaker?
15. How to hide the master items ?
16. How will you resize a text block?
17. How will you save a file in page maker ?
18. How will you draw a dotted line in page maker ?
19. How will you unthread a threaded block. Write 2 methods.
20. Write the methods for navigating the pages in page maker publication.
21. Write a note on scroll bars.
22. What is meant by wrapping the text ?
23. What is the use of enter key ?
24. How will you select the word and a paragraph ?
25. Name the tools where you get cursor with + symbol.
26. What are the two ways of creating text blocks ?
27. Define window shell.
28. How will you separate the text from the frame.
29. Define font.
30. What are the two line tools in page maker ?
31. How will you change text color in page maker ?
32. Name any 4 options from the layout menu .
33. What is the use of ALL and Ranges option in the print document dialog box ?

**3 MARKS**

1. How will you show/hide the toolbox?
2. Name the tools present in tool box.
3. Difference between moving and copying text.
4. How will you split a text block into two ?
5. Write the function of i) left arrow ii) right arrow iii) ctrl + left arrow iv) ctrl+ right arrow v)up arrow vi) down arrow.
6. How will you to a specific page ? what are the 3 methods to go to a particular page ?
7. What are the used of rotate crop hand tool in the tool box ?
8. Write the steps to import a text.
9. Write the procedure to magnify a part of the page.
10. How will you apply colors and character formatting to the text ?
11. Write the methods for navigating the pages in page maker publication.
12. Write the steps to resize a text block ?
13. Write the steps to select text using the mouse.
14. Write the steps to delete a character or word or block of text .
15. How will you open a existing document ?
16. Write the procedure to scroll the document.
17. Write the steps to draw a line.
18. Write the steps to draw rectangles or ellipses.
19. Write the steps to draw polygon.
20. Write the steps to draw a star with given number of sides and required inset.

21. Write short note on master page.
22. Write the steps to create a new master page.

**CHAPTER 3**  
**INTRODUCTION TO DATABASE MANGEMENT**  
**SYSTEM**  
**2 MARKS**

1. Define database
2. Define DBMS.
3. What are the various methods to access file system ?
4. What are the limitations of database ?
5. Write the various forms of database.
6. What are the features of RDBMS ?
7. What do you meant by table in relational database model ?
8. Write the ty0pes of SQL commands.
9. What is the purpose of JOIN Clause ?
10. What is XAMPP ?
11. What is meant by the designing of database ?
12. Define degree of consistency.
13. Give advantages of hierarchical database model.
14. Give limitations of hierarchical database model.
15. Define relational database.
16. Define table.
17. Define row in a table.
18. Define primary key.
19. Define composite key.
20. Name the different types of entity, attributes.
21. Define degree of relationship.
22. Classify databases or compare heavy database with light database.
23. List some commonly used databases.
24. Give syntax for USE database.
25. Give syntax for inserting record.
26. What are the two basic concepts adhered by all DBMS?
27. What are the database components of network model ?
28. Expand: DBMS,RDBMS,SQL,DBA,OOPS,CSV,ER-MODEL
29. Define row and column in RDBMS.

**3 MARKS**

1. Write the terminologies related to relational model.
2. Explain three database components of the network model.
3. What are the advantages and limitations of the network model?
4. Define super key.
5. Define strong entity.
6. Define relationship instance with example.
7. Give the roles and responsibilities of DBA.
8. List the components that make up a database. Or parts of the database.
9. List the functions of SQL.
10. List the types of SQL commands and explain.
11. How will you modify the record in the table ?
12. Write a note on operators in SQL.
13. How will you arrange the records in ascending or descending order in a table ?
14. How will you delete a record in a table ?
15. What are the rules followed by the sub query ?
16. What are attributes in database ?
17. What are the roles of database administrator?
18. What are the major parts to form a database?
19. Write a note on MYSQL.
20. Write short note on row.

21. What are the major functions performed using SQL?

**CHAPTER 4**  
**INTRODUCTION TO PHP**  
**2 marks**

1. What is the purpose of var\_dump()?
2. Classification of client server architecture model.
3. Write the types of php syntax.
4. What is the main advantage of php variable declaration?
5. What are the data types supported by php ?
6. What are the types of php syntax available ?
7. Define web browser.

**3 marks**

1. Write note on HTTP.
2. Draw a diagram for client server architecture model.
3. Explain short open tags.
4. Write note on var\_dump().
5. Explain resources with example.
6. Write note on different types of increment and decrement operators with example.
7. Explain types of php syntax.
8. How php script works.
9. What is the role of php in client server architecture?
10. What the features of php ?
11. Write the characteristics of php.
12. What do you mean by resource?

**CHAPTER 5**  
**PHP FUNCTION AND ARRAY**  
**2 MARKS**

1. What are the types of php functions ?
2. Write a note on multi dimensional arrays in php ?
3. Write any 3 points about parameters in php ?
4. Write the rules for parameters.
5. Write the advantages of functions.
6. Define magic functions.

**3 MARKS**

1. Write a php program for function with one argument and two arguments.
2. Write a php program to explain function with return values.
3. Write the syntax for associative arrays.
4. What is the use of array\_combine in php.
5. Explain about user defined functions in php.
6. Write brief about indexed arrays.

**CHAPTER 6**  
**PHP CONDITIONAL STATEMENTS**  
**2 MARKS**

1. Write the syntax of if statement, if else, if elseif else, switch case.
2. What is mean by if else ladder.
3. Write php if statement to check whether the given number (n) is even or odd.
4. Write php if elseif else statement to print whether the given number n is positive, negative or zero.
5. Define conditional statements in php. List it.
6. Define if statement in php,if elseif else.
7. Write usage of switch statement in php.
8. Compare if and if else statement.

**3MARKS**

1. Write the features of conditional statements in php.
2. Write the purpose of if elseif else statement.
3. Difference between switch and if else statement.
4. Write short notes on switch statement.
5. Difference between if and if elseif else statement.

**CHAPTER 7**  
**LOOPING STRUCTURE**  
**2 MARKS**

1. Write the working principle of for loop parameters.
2. Write php code to print first 50 natural numbers.
3. Give the flow chart for for loop, while ,do-while.
4. Write a php program to print the students name in the array.
5. Write a php program to print star(\*) in a single line .

**3 MARKS**

1. 

```
for($i=1;$i<4;$i++)
{
print($i);
print("\t");
}
```

Identify i)init counter ii) test counter iii) increment counter iv) body of the loop
2. write short note on all the loops.

**CHAPTER 8**  
**FORMS AND FILES**  
**2 MARKS**

1. Give the syntax for fopen ()
2. Give the syntax for fread()
3. What is the process of client side validation ?
4. What is the process of server side validation ?
5. What are the two methods of sending user data to the server ?
6. What are the two types of validation available in php ?
7. How will you close a file in php ?
8. What is AJAX ?

**3 MARKS**

1. Explain how user input data in html form is sent to the server.
2. Write a brief note on basic php form validation.
3. How will you open a file in php ?
4. How will you read a file in php ?
5. How will you write into a file in php ?
6. Write the validation rules for html input fields.
7. Explain briefly about fopen().
8. Explain briefly about fread().
9. Explain briefly about fclose().
10. Explain briefly about fwrite().
11. Write short note on appending a file.

**CHAPTER 9**  
**CONNECTING PHP AND MYSQL**  
**2 MARKS**

1. What is MYSQL?
2. What is the main goal of MYSQL and php connection?
3. What is the use of SQL statements in php ?
4. How the connection will get success in mysqli\_connect() ?
5. What die statement method?
6. What is custom error handlers ?
7. What is php error reporting ?
8. Mention some RDBMS softwares.
9. Write any two features of RDBMS.
10. What are the important functions in MYSQLi ?

**3 MARKS**

1. WRITE PHP CODE TO CONNECT TO MYSQL WITH THE FOLLOWING DETAILS:

Server name : localhost  
User name: root  
Password: mysqlroot  
Database name:my database

2. How will you close the connection established to Mysqli ?
3. Write a snippet code to check database connection.
4. Name the parameters of connect functions.
5. Write any 3 special features of php .
6. Mention some web frameworks design structures to promote rapid application development(RAD).
7. Write a short note on parameters of mysqli\_connect().

**CHAPTER- 10**  
**Introduction to computer networks**

**2marks:**

1. List some commonly shared resources used in Internet.
2. What is node?
3. What is the use of E – Governance?
4. List some powerful search engines.
5. What is Virus?
6. What are the innovations changed the people life style to use internet?
7. List some social media application used in internet.
8. What is the use of packet switching?
9. Write a short note on E – Banking?
10. What are the disadvantages of using internet?
11. Define Flame wars.
12. Who are Hackers?
13. Define E – Readers.
14. What are the various generation of mobile networks with their coverage?
15. What are the two types of networks at home?
16. What is mean by mobile networks?
17. Name the attributes of social Net workings.
18. Use of network in Business.
19. Use of network in home.
20. Use of social networks.
21. What do mean by computer networking?
22. How do you find a node in networking?
23. What is Network?
24. Write a short note on packet switching.
25. What is main advantage of internet?
26. What are the ways to connect network at home?
27. What is mobile network?

**3 mark:**

1. The term internet stands for what?
2. What are the features of mobile network?
3. What are the disadvantage of Internet?
4. Write a note on E – Banking.
5. Write note on Resource sharing.
6. Write note on software or data sharing.
7. Write note on e – market or online shopping.
8. How computer network helps in communication.

**CHAPTER : 11 Network examples & protocol**  
**2 mark:**

1. What is Internet protocol?
2. What is meant by network protocol?
3. What is the Role of Network protocol?
4. What is meant by cell ?

5. What is Li – Fi?
6. What is the use of Address resolution protocol?
7. What is mean by DNS?
8. What is Internet?
9. What is Intranet?
10. What is Extranet?
11. Define OSI model.
12. Define Physical Layer, Data line layer, network layer, transport layer, session layer, Presentation layer, Application layer.
13. Developments of mobile networks.
14. Merits of mobile networks.
15. Define WIFI.
16. What is 7cPlip?
17. Application of Internet, intranet and Extranet.
18. Demerits of Mobile networks.
19. What are the different layers of TCP/ IP
20. What is the main functions of internet protocol?
21. What is cell in mobile networks?
22. What is the purpose of SIM?

**3marks:**

1. What are the broad types of networking protocols?
2. List the applications of internet, intranet, Extranet.
3. Write a short note on first generation mobile
4. Difference between Wi – Fi & LIFI
5. What is RFID?
6. List out the two types of RFID tags?
7. Write a note on networks interface layer.
8. Explain the working process of Tcp.
9. Write the disadvantages of 1<sup>st</sup> generation mobile N/w.
10. Write a short notes on second to third generation. Briefly of mobile networks.

**CHAPTER : 12 Domain Name system****2 marks:**

1. What is the use of DNS?
2. List the three components of DNS?
3. What is Label?
4. Name the three domain names used in tamil language.
5. What is zone?
6. What is zone file?
7. What are the two copies of zone file?
8. What is name server?
9. What is domain name?
10. Types of name server.
11. What is name space?
12. What is root name server?
13. What is primary/ master name server?
14. What is secondary name server?
15. Define IPv<sub>4</sub> address.
16. Define IPv<sub>6</sub> address.
17. Name the four parts of URL? What is URL?
18. How are the name spaces organized?
19. What is the use of Generic Top level domain names? Give examples.
20. Define country level domain name.
21. What is inverse domain?
22. What is WHOLS?
23. Write the demerits of Flat name space.
24. What the ways an IP address in represented in IPv<sub>4</sub>?
25. What is Absolute URL & Relative URL?
26. Short note on ICANN.
27. What is domain name space?
28. What are name server?

**3 marks:**

1. Write a short note on the types of name server?
2. What are the two ways to represent IPv<sub>4</sub> ? Examples.
3. List any six country domain names.
4. Explain the types of name server?
5. What is IAVA?
6. What are the fundamentals of URL?
7. Write notes on flat name space.
8. Write a short note on resolves.

**CHAPTER : 13 NETWORKING CABLING****2 marks:**

1. Write note on co axial cables – examples.
2. What is meant by Twisted pair cable? Types.
3. Mention the different types of cables used to connect computer on network.
4. Define Crimping.
5. Give Pin details of RJ – 11.
6. Give some examples for co – axial cables.
7. Write a note on USB cable?
8. Write about Dongle.
9. List the different industrial standards of Ethernet cable.
10. What is mean by Ethernet card?
11. What is mean by Expansion card?
12. What is the use of network cable.
13. List the types of network cables.
14. What is the use of UTP.
15. Write about fibre optics. Types
16. What is the use of single mode cable & multimode cable?
17. Use of micro USB.
18. Use of cross ones cable.
19. RJ<sub>45</sub> connector.
20. Roll – ones wiring & straight through wiring.
21. What is registered jack?
22. Pins of RJ<sub>14</sub>, RJ<sub>61</sub> & RJ<sub>21</sub>.
23. What is Dongle?

**3 marks:**

1. List some wired media help to connect computer with network.
2. How to determine the type of Ethernet cable?
3. Compare UTP and STP.
4. What are the uses of serial & parallel cables.
5. Write about crossover Ethernet cable.
6. Difference between wireless & wired network.
7. What is NIC?

**CHAPTER: 14 OPEN SOURCE CONCEPTS****2 marks:**

1. Why is it called open source software?
2. What is the need for network, software? And use.
3. Explain BOSS.
4. List the domain in which developer can contribute.
5. Write some examples of open source application software.
6. Explain the advantages of proprietary software?
7. Mention some large enterprise management products.
8. What is the purpose of NRCFOSS?
9. What is the network simulator?
10. Mention the types of open source License.
11. List any 4 benefits of OSS.
12. Difference between OSS and Proprietary software.

**3 marks**

1. Write some organizations related to open source.

2. Write some features of open source hardware.
3. Write short note on open source software and developers.
4. Define network simulation.
5. Define network parameters.
6. What is NS2.
7. Write the goal of open NMS.
8. Write the features of open NMS.
9. Explain types of open NMS.
10. Write history of open NMS.
11. Difference between OSS & Free software.
12. What are the demerits of OSS?
13. What is the goal of open NMS?
14. What is smart card?
15. What are the two varieties for stored value card?
16. List the advantages of smart card. Types.
17. What is mean by E – cash?
18. Advantages of Internet Banking.
19. Define Electronic payment system.
20. Difference between micro electronic payment and macro electronic payment.
21. List the types of micro electronic payments based on its algorithm.
22. Explain the concept of e –wallet.
23. What is a fork in crypto currency?
24. Write a note on payment cards?
25. Examples for macro online payment systems.
26. Mention the advantages of UPI.
27. Define COD.
28. Define BHIM.

### **CHAPTER: 15 E-COMMERCE**

#### **2marks:**

1. List the building blocks of E – Commerce.
2. Write a short note on Teleputer.
3. Write about the first true E –Commerce transaction.
4. Draw E – Commerce revenue models.
5. Explain G<sub>2</sub>C.
6. List the E – Commerce revenue models.
7. Explain Disruptive innovation.
8. Write a note on Customer outsourcing.
9. When a company is called as E – Business?
10. Classify E – Commerce Business models?
11. Write a note on Business to consumer?
12. Classify G<sub>2</sub>G models.
13. What is mean by Brick and mortar?
14. What is meant by mobile commerce?
15. What is mean by fintech financial technology?
16. Define Affiliate site.
17. Define Auction site.
18. Define Banner Advertisement site.
19. Define Bulk buying site.
20. Define digital publishing sites.
21. What are the limitations of E – Commerce.

#### **3 marks:**

1. Write a short notes on web 1.0., web2.0,web3.0.
2. Write a note on E- business building block elements.
3. When a company is can be called E – Business?
4. Write a short note on voice shopping and chat bots.
5. Write short note on Augmented Reality.
6. What are the requirements of an E – Commerce organization?
7. What are the major drawbacks of E – Commerce?
8. Explain steps to start an E – Business.

### **CHAPTER: 16 ELECTRONIC PAYMENT SYSTEM**

#### **2 marks:**

- Write a note on Modern payment system.
2. Define liquidation or clearing system or clearing service.
  3. What is the role of E – Payment system?
  4. What are the types of payment system?
  5. How are payment system classified?
  6. List out some popular macro on-line payment systems.
  7. What are the 3 widely used card based payment systems?
  8. What is meant by credit card?
  9. How merchant & Acquirer will be one of the key players in operations of credit card?
  10. What is meant by RFID symbol?
  11. Define Hologram.
  12. What is mean by CVC/ CVV?
  13. What is mean by Debit card?

#### **3 marks.**

1. How will you do the Micro electronic payment transactions?
2. Mention the three types of card based payment systems.
3. Mention the advantages of credit card.
4. Write note on ‘The advantages of credit card’.
5. Write note on Anatomy of a credit card.
6. Write note on credit card number.
7. Mention three ways of processing debit card transactions.
8. Mention major advantage of stored value card.
9. Write note on smartcard.
10. Write note on ECS debit.
11. Write note on NEFT.
12. Give the two types of Real – time gross settlement transactions.
13. How are the mobile banking operation implemented?
14. Explain the two types of address in UPI applications?
15. Define Micro electronic payment and its role in E – Commerce.
16. Compare and contrast the credit card and debit card.
17. Anatomy of credit card.
18. Explain the stored value card and its types.
19. Write a note on mining in crypto currency.
20. Explain briefly about Electronic funds transfer.
21. Write short note on Real time gross settlement?
22. What are the two methods of Real time gross settlement transactions.
23. What are three ways of processing debit card transactions?
24. Define . (I) Closed loop (ii) Open loop
25. Write in briefly about EMV chip.

### **CHAPTER: 17 E-COMMERCE SECURITY SYSTEMS**

#### **2 marks:**

1. Define E – Commerce security.
2. What is cyber squatting?
3. What is the use of digital signature?
4. What is Virus?
5. What is security token?
6. Define Hacking.
7. What is Ransomware.
8. List common digital certificate systems.
9. What is SSL?
10. Define OTP.
11. Define Bnite force attack.
12. What is Encryption?
13. Define Digital certificate.

14. Write a note on X-509.
15. List some of the authorized certifying Authorities of India.
16. List the two kinds of Authentication protocols.
17. How a user shall ensure secured communication?
18. List the three domains of 3D secure.

**3 marks:**

1. Write a short note on payment frauds.
2. Compare and contrast the symmetric and Asymmetric key encryption.
3. Roles of security certification.
4. Explain Encryption and Decryption process using a
5. Explain a) MD b) OTP c) PIN
6. Define Phishing.
7. What is meant by Tampering?
8. Explain various types of payment frauds.
9. What is DDOS?
10. What is DES?
11. Explain the key features of SET.
12. Name the 3 domains of 3 D Secure.
13. What are the subsets of payment frauds?
14. Define symmetric key encryption.
15. Define Asymmetric key encryption.
16. What is SET features?
17. Write short note on Malicious code threats.
18. What is network flooding?

**CHAPTER : 18 ELECTRONIC DATA INTERCHANGE**

**2 marks:**

1. What is mobile EDI? And write its use?
2. What are the types of EDI?
3. Why EDIFACT subsets house developed?
4. Mention some International accepted EDI standards.
5. What are EDI layers?
6. Write advantages of EDI?
7. What is VAN?
8. Write note on EDI via FTP/VPN, SFTP, FTSP?
9. Write short notes on segment table?
10. Examples of EDIFACT subset.
11. Write note on EDIFACT segment.
12. Mention service messages in EDIFACT.
13. Mention data exchange in EDIFACT message.
14. Write note on EDI interchange.
15. Differentiate EDI and EFT.
16. List some Internationally accepted EDI standards.
17. Explain the formation of TDCC.
18. Write a note on EDI interchange.
19. What are the two types of EDIFACT messages?
20. Write a note on EDIFACT element.

**3 marks**

1. Explain using a simple diagram the process of Electronic document exchange.
2. Write a note on History of EDI or origin of EDI.
3. Write a short note on the contribution of Ed Guilbert.
4. Difference between EDI and VAN.
5. Explain : CONTRL , APERAK , CREMUL , DELFOR, IFTMBC.
6. Write a short note on EDIFACT Structure.
7. What is EDI Interchange?
8. What is EDI segment?
9. What are the aspects to divide the EDI standards.

**PREPARED BY**

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