

201-IIH Important Questions

Short Questions:

- 1) What is Internet?
- 2) Give full name :TCP, FTP, ISDN, DSL, RDF, UDP, ISP, SSL.
- 3) List services provided by internet?
- 4) Define WWW.
- 5) What is HTTP?
- 6) What is DSL?
- 7) What is Secure Socket Layer?
- 8) Define the term Symmetric Key encryption and Public Key encryption.
- 9) What is cipher text ?
- 10) What is Digital Signature?
- 11) What is Firewall?
- 12) How to create a new HTML element?
- 13) What is HTML?
- 14) Define Style Attribute.
- 15) What is <meta> tag in HTML?
- 16) What is <mark> in HTML?
- 17) Which tag is used for table header, table body and table footer?
- 18) What is table cellpadding and table cellspacing?
- 19) What is the use of <tr> and <td> tag in html?
- 20) What is the Attribute of form?

Long Questions:

- 1) Explain Services provided by internet with advantages and disadvantages.
- 2) Explain Types of internet Connection.
- 3) Differentiate between internet, Intranet and extranet.
- 4) Explain WWW Architecture.
- 5) Explain internet protocol?
- 6) Write a note on Data Encryption.
- 7) Write a short note digital signature?
- 8) Explain Types of internet Application.
- 9) Write a note on HTML Attribute.
- 10) Explain structure of HTML Page.
- 11) What do you mean by HTML? Explain various Text formatting tags.

202 Emerging Trends and Application in ICT

Short Questions (Marks 2)

1. Define Dedicated Server and non dedicated Server?
2. What is Protocol?
3. Define Network?
4. What is web browser?
5. What is IP address?
6. What is System Software and application software?
7. Explain term Hardware and Software?
8. What is BIOS?
9. What is shopping cart?
10. What is Static Webpage and Dynamic webpage?
11. What is Captcha?
12. What is JavaScript?
13. What is CSS?
14. What is Online Shopping?
15. What is PNR number?
16. What is Data analytics?
17. What is Business Analytics?
18. Define cloud computing?
19. What is mobile apps?
20. What is android?
21. What is IMPS?
22. What is Encryption?
23. What is IFSC code?
24. Define Debit card?
25. Why Data warehouse is required?
26. Define MMID?

Long Questions

1. Difference between Traditional Shopping and Online Shopping?
2. Difference between Servlet and JSP?
3. What is clientside script and server side script?
4. Explain in detail (Any one)
 - a. BHIM
 - b. PAYTM
5. Difference between Mobile OS and Traditional OS?

6. Difference between Mobile apps and Web apps?
7. Difference between Database and Data warehouse?
8. What are the technologies used to develop static Website? Explain in brief.
9. Difference between Static Webpage and Dynamic Webpage?
10. What are the technologies used to develop Interactive Websites? Explain in brief.
11. Explain in detail(Any two)
 - a. NEFT
 - b. RTGS
 - c. IMPS
12. Write case study on (Any two)
 - a. Amazon.com
 - b. IRCTC
 - c. Snapdeal.com
 - d. Big basket
13. Explain accounting software with suitable example?
14. Discuss concept of Mobile Apps and its types in detail?
15. Explain ETL process in detail?
16. Describe in detail Mobile Operating System and its features with suitable example?
17. Differentiate IOS and Android Operating System?
18. Discuss the concept of Data Science and its application areas?
19. Explain concept of Business analytics?
20. Describe concept of ERP and its advantages?
21. Describe in brief data analytics and its related tools?
22. Explain term IaaS, PaaS, SaaS?

Operating System

7 Marks Questions

1. What is OS? Explain Characteristics of OS.
2. Explain Needs of OS.
3. Explain Types of OS.
4. What is file? Explain Operations of Files.
5. Explain Attributes of File.
6. Explain File Access methods in Detail.
7. Difference between Windows and Linux OS.
8. Explain Architecture of Linux OS.
9. Explain Component of Linux OS.
10. Explain Installation steps of Linux OS.
11. Explain Characteristics of I/O Devices.
12. Explain File Allocation methods in Detail.
13. Explain File Directory Structure in detail.
14. Suppose a disk drive has 500 cylinders numbered from 0 to 599. Drive is currently Served the request at cylinder no 63. The queue for pending request in FIFO order is as follow. 50,125,32,180,75,5,20,58,290,211,55,6,498 show the disk scheduling for the following algorithms. FCFS, SSTF, LOOK, SCAN, C-LOOK, C-SCAN.

➤ **2 Marks Questions**

1. What is Operating System? Explain primary goal of OS?
2. What is the Objective of OS?
3. List out Characteristics of OS.
4. What are basic features of Linux OS?
5. What is Kernel mode & User mode?
6. List out Types of Files.
7. Define Time sharing operating system with advantages.
8. Explain the role of Kernel in Linux.
9. Differentiate between SCAN and C-SCAN disk scheduling policy.
10. Define the absolute and relative path.
11. What are disadvantages of tree level directory structure?
12. What is external and internal fragmentation?
13. What is the role of shell in Linux OS?
14. Define Blocking & Non-blocking I/O.
15. Explain Elements of OS.

Short note.

1. Disk Space Management system
2. Time sharing system
3. Real time system
4. Spooling & Buffering

204-Programming Skills

Short Question

1. What is typedef in C language?
2. Explain Row major and Column major in array.
3. What are the ways of accessing structure member?
4. What is difference between actual and formal parameter in C language?
5. Explain Python is an interpreted language.
6. How to comment with multiple lines in Python?
7. What is the difference between Continue, break and Pass statement?
8. Explain difference between append and insert list method.
9. Explain range() in python.
10. What is tuple() and set() method in python?
11. Explain tuple indexing and slicing with example.
12. What is negative Indexing in tuple?
13. What do you mean by sets in python? Explain in detail.
14. What is the difference between pop() and remove() method in python set?
15. What is discard() and clear() method in python set?
16. Explain union() and intersection() method in python set.
17. What is dict() method in Python?
18. Explain pop() and popitem() in python dictionary.
19. What is a panda Dataframe in python?
20. What is read_csv() in python?
21. What is difference between global and local variable in python?
22. What do you mean by loc and iloc methods in DataFrame? Explain with example.
23. How to install numpy and pandas library in python?
24. How to import numpy library in to python program?

Long Questions

1. What is an array in C? Explain with proper Example.
2. Explain multidimensional Numeric & character array in detail.
3. What is the structure? Explain with proper Example.
4. What is difference between structure and union? Explain in detail.
5. What is User defined functions in C language? Explain with Example.
6. Explain Recursive Function with example.
7. What is Python? What are the applications of python?
8. Explain Structure of Python Programming language .
9. Explain Python code Indention and execution with example.
10. Explain User defined function (UDF) in python with example.
11. How to store a multiline string in Python **str** variable?
12. List all operators in Python and explain identity and member operators.
13. What is slice operator [] in python String? Explain with example.

14. What is string? Explain negative slicing string in Python language.
15. Explain any six string methods in Python.
16. Which operator is used for string concatenation?
17. List out all Iterative statements in python? Explain For loop with range function.
18. What is sort and index method in List Python?
19. What is list in python? Explain any 6 list methods in python.
20. Explain tuple in python? List out all tuple methods.
21. Write difference between python List & Tuple.
22. What is set in python? Explain any six methods of set.
23. Explain any five numpy methods in python.
24. Explain Dictionary methods in python.
25. What is Numpy in python? Explain all methods in detail.
26. How to create panda Dataframe? Explain with example.

205-RDBMS Question Bank

(Long Question)

1. Explain Index in detail
2. List out Codd' s Rule? Explain any four in detail.
3. Write a note on Relational Algebra operations.
4. Explain While Loop by giving suitable example.
5. Write continue statement by giving suitable example.
6. Explain types of Join in detail
7. Write a note on Cursor.
8. Explain Case statement by giving suitable example.
9. Explain Grant and Revoke statements.
10. Explain Exception Handling.
11. Explain User Defined Record.
12. Explain PL/SQL Block structure.
13. Explain any four Date function giving example.
14. Explain for Loop by giving suitable example.

Short questions:

1. Define RDBMS.
2. List out Relational Algebra operations.
3. Explain Minus clause.
4. Explain union and intersect clauses.
5. List out DCL statements.
6. List out TCL statements.
7. What is the functionality of Rollback Statement?
8. What is the functionality of Grant Statement?
9. What is the functionality of Commit Statement?
10. List out any four data types in oracle.
11. List date functions.
12. What is Dual Table in Oracle?
13. What is indexing in sql?
14. What is inner join in sql?
15. What is outer join in sql?
16. What is sub query?
17. What is difference between truncate and drop table?
18. What is difference between unique and primary key?
19. What is difference between primary key and foreign key?
20. Define constant in pl/sql block.
21. Define Cursor.
22. List out types of exception.