Viva Questions

AA

1. If we change input do upper and lower bounds change?
2. 4 cases of n queen problem explain time complexity - refer to last year's AI TB, that has the sum.
3. In np-hard what is the full form of n (Ans: non-deterministic)
4. How to solve wordle game -- which class does it fall into -- p/np
5. If you have to make a social media what data structure will you use which algo and which type of analysis will you do
6. River search
7. K server
8. First explanation your algo and it's real life use case
9. Use cases of k server
10. Why do amortized
11. Ford Fulkerson bipartite real life use case
12. NP P Hard ACCHE SE KARO
13. Social media meh kya use karoge - analysis and data structure
14. Randomized quicksort
15. K server and its applications
16. NP, p, np hard, np complete, difference, example of each
17. Wordle game is np class, why??
18. Name a few genetic algorithms: ant colony optimization
19. Class of algorithms wala pura module, it's Venn diagram
20. External asked to draw the Venn diagram And Algorithm in each class
21. Convex hull and its use
22. K server and application
    a. Time complexity of birthday paradox
23. Application of the trees in syllabus And which tree is better
24. Significance of algorithm that you have performed
25. What did you learn from AA
26. Just do NP P NP Complete NP Hard Non deterministic in very very very very detail
27. Big o small o tilde
28. Missionary Cannibal Problem

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1. nslookup it
2. Can Wiresha rk prevent DOS attacks? (No, it’s just a monitoring tool)

SE

IT Department

1. Jenkins, devops, change control with example, application based viva
2. What is SE
3. Process Models
4. Where they are used which one is used in which scenario
5. Why do developers do Testing
6. Types of testing
7. Explain in layman terms stubs and drivers
8. Alpha beta testing
9. Feasibility studies
10. Rmmm
11. Sdlc explanation
12. Rmmm draw koi toh sheet
13. Cococo explanation
14. Cocomo drawbacks
15. Fpa
16. RMMM
17. Agile disadvantage
18. Scrum
19. Types of risks and example
20. What is cocomo ?
21. What is FP?
22. Explain FP
23. Tell all 14 points of FP
24. What is sdlc ?
25. Describe sdlc models and drawbacks of it .
26. What is reverse engineering
27. What is devops
28. What is black box testing
29. What is white box testing
30. Black box and white box testing on pen
31. Black box and white box testing on monitor
32. What is cyclomatic complexity
33. What do you mean by software development
34. What is difference between project and product
35. Scm
36. also change control full bhi pucha
37. SDLC explanation
38. Suppose you are to develop an application for admission process, what procedure you'll follow
39. Which diagram shows cohesion amongst components
40. DFD explain
41. List all diagrams drawn in pracs
42. What is cohesion
43. Explain CRC

Comps

1. Adv Disadv of incremental model
2. Spiral vs incremental
3. Can you revise cost estimate later on in the project
4. What is use case diagram, does it cover all use cases/scenarios
5. Say the scenario is conducting exams in college. Over here what will be the actors etc? Define the use case diagram
6. Which cost estimation technique you'll use for a particular case study and why
7. Requirement engineering related
8. Tell risk encountered in your Ipd project and how you managed it.
9. RMMM and Fp
10. What do we do in ,Mitigation,management and monitoring in RMMM
11. You have already built an application(say for DJSCE) and now another college demands a similar application. How would you deliver.(Ans: reuse components wherever possible)
12. How would you calculate cost for the sae
13. Activity diagram v/s sequence diagram
14. What are the different diagrams you studied in experiment and how did it help in your ipd project
15. Component level diagram
16. Deployment level diagram
17. How many activity diagrams can you make?
18. Version control
19. Functional requirements and non functional requirements examples
20. Explain diagrams all their requirements for every diagram and why it's used
21. Difference between different models xp prototype etc
22. Types of Architecture
23. Architectural patterns

BDI

(Agar chance mile toh pehle bolo dusre ke liye rukho math)

1. Difference between map reduce and kafka
2. Different job schedulers of spark
3. SparkHadoop 1 vs Hadoop 2
4. No of namenodes and data nodes
5. Pig data model
6. What is zookeeper
7. Narrow transformation vs wide transformation with examples
8. How to load unstructured data in Hive?
9. How to load unstructured data in Pig?
10. Context in Spark

11. parameters of context in spark
12. Visualization tool in spark:- GraphX
13. Graph supported in graphx
14. Why Spark is lazy evaluator
15. Steps in working of Spark execution :- Mlib ka process bolna hai thoda sa
16. Apache kafka vs Map reduce
17. In which languages can we write spark
18. Mesos and Kubernates (Thoda sa bolo bas)
19.
20. RDD vs Map Reduce
21. How to make columns in Cassandra
22. Broadcast variables in spark
23. Yarn vs mesos vs kubernetes
24. Types of cluster managers
25. Difference Between hive and hbase
26. What is Kubernetes
27. Steps of Map Reduce
28. Diff between Pig and Map reduce

BA

Mini project

Learn the basic proc functions like means, univariate,freq, etc.

ML

*Mini project sabse important hai. Run karne bhi bolenge Mini Project ko. So, mini project ready rakhna.**Laptop leke jana. At least 1 laptop/mini project group.*

1. Explain Mini Project
2. Reinforcement learning, elements, applications
3. What is model based learning? Give its practical applications apart from gaming.
4. Self organizing maps
5. What is a cost function
6. Which scores are used for which application. Just list all of them and explain them
7. Model based learning, temporal learning