



"Empowerment through quality technical education"  
Dr D Y Patil Educational Enterprises Charitable Trust's

**AJEENKYA**

**DY PATIL SCHOOL OF ENGINEERING**  
(Formerly known as DY Patil School of Engineering)

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(Accredited by NAAC, NABL & ISO 9001:2015 & 21001:2018 Certified Institute)

## Department of Computer Engineering

**A.Y. 2022-23**

**Class: TE**

**Sem-II**

**Subject : LP-II**

### Question Bank

1. What is DFS and BFS?
2. What is recursive algorithm?
3. Explain DFS and BFS with an example.
4. Explain is A\* algorithm.
5. Formula of A\*?
6. What is heuristic function?
7. What is greedy search algorithm?
8. Use of minimal spanning tree algorithm?
9. Explain N-Queen problem with example.
10. Explain backtracking process.
11. What is chatbot?
12. Explain DES algorithm.
13. Explain AES algorithm.
14. Difference between AES and DES algorithm?
15. Explain RSA algorithm.
16. Explain Diffie Hellman algorithm.
17. Explain MD5 algorithm.
18. What is public key?
19. What is private key?
20. What is Asymmetric Key Cryptography?
21. What is Symmetric Key Cryptography?
22. Difference between Asymmetric and Symmetric key cryptography?
23. What is secret Key?
24. List of Asymmetric Key Cryptography algorithms?
25. List of Symmetric Key Cryptography algorithms?
26. What is Cryptography, Cryptanalysis?
27. What is Artificial Intelligence?
28. Real world application of AI.
29. What is CIA traid?

**NOTE: All other Basic questions of AI and Information Security.**

**Students should able to explain Program code and output, program logic, Algorithm and explanation with an example.**