

Video Lectures

- 01 Set, construction methods, set types, set cardinality
- 02 Set Construction methods | Roster | Description
- 03 Operations with sets | Union | Intersection | Difference | Complement
- 04 Binary Operations
- 05 Relation
- 06 Symmetric relation
- 07 Asymmetric relation
- 08 Anti-symmetric relation
- 09 Inverse relation
- 10 Identity Relation
- 11 Reflexive relation
- 12 Irreflexive relation

13 Equivalence relation

14 Transitive relation

15 Numerical problem on Relation

16 $(A \wedge B) \times (C \wedge D) = (A \times C) \wedge (B \times D)$ | Relation example

17 Pigeonhole Principal

18 Mathematical Induction

19 Mathematical Induction | Prove $2+4+6+\dots+2n=n(n+1)$

20 Mathematical Induction | Sum of cubes of three Consecutive integers is divisible by 9

21 Algebraic structure

22 Group, Abelian Group, Sub Group

23 Prove set $G = \{1, 2, 3, 4, 5, 6\}$ is abelian group of order 6, multiplication modulo 7

24 Prove set $G = \{0, 1, 2, 3, 4, 5\}$ is abelian group of order 6, addition modulo 6

25 Monoid in Algebraic structure

26 Semigroup

27 Numerical problem on Semi Group

28 Group

29 Cyclic Group

30 Coset of Subgroup

31 Abelian group

32 Numerical problem on Group

33 Isomorphic Graph

34 Ring

35 Prove that a ring R is commutative, if and only if $(a+b)^2 = a^2 + 2ab + b^2$

36 Obtain particular solution $ar + 5ar-1 + 6ar-2 = 3r^2 - 2r + 1$

37 Proposition | Basic Logical | Conjunction | Disjunction | Negation

38 Quantifiers

39 CNF: Conjunctive Normal Form

40 Inclusion Exclusion Principal

41 Inclusion Exclusion Principal example 01

42 POSET

43 Hasse Diagram D60

44 Lattice

45 Ordered Pair

46 Recurrence Relation | Example 01

47 Recurrence relation | Example 02

48 Recurrence relation | Example 03

49 Generating function | Example 01

50 Generating function | Example 02

Related Posts:

1. Relationship among entities
2. Introduction of IOT
3. Marketing Managment RGPV Diploma Paper Solved
4. Value of function in programming

5. Hardware components and device solved paper RGPV Diploma
6. USE CASE for MCQ application
7. OS Interview Q & A | Part 01 | Prof. Jayesh Umre
8. Compilation
9. OOPs in C# | PPL | Prof. Jayesh Umre
10. Overloaded subprograms
11. Static and Dynamic scope
12. Type Checking
13. Testing Levels | Software engineering | SEPM | Prof. Jayesh Umre
14. Static and Dynamic Analysis | Software Engineering| SEPM| Prof. Jayesh Umre
15. Code Inspection | Software engineering | SEPM | Prof. Jayesh Umre
16. Code Inspection
17. Characteristics of IOT
18. IOT Internet of Things
19. Monitors
20. Static and Stack-Based Storage management
21. Message passing
22. Exception handler in Java
23. Exception Propagation
24. Concept of Binding
25. Data mining and Data Warehousing
26. Introduction to Concurrency Control
27. Introduction to Transaction
28. Introduction to Data Models
29. Coaxial Cable
30. DHCP
31. DNS

32. Introduction to SNMP
33. Introducton to SMTP
34. Introduction to NFS
35. Introduction to Telnet
36. Introduction to FTP
37. Internet Intranet Extranet
38. UGC NET Notes
39. Computer Terminologies
40. UGC NET Paper 1 December 2012
41. UGC Net paper 1 June 2011
42. closure properties of regular languages
43. Functional programming languages
44. Virtualization fundamental concept of compute
45. Dia software for UML, ER, Flow Chart etc
46. DAVV MBA: Business Communication
47. Mirroring and Striping
48. RGPV Solved Papers
49. CD#08 | Semantic analysis phase of compiler in Hindi video | Semantic tree | Symbol table | int to real
50. COA#27 | Explain the Memory Hierarchy in short. | COA previoys years in Hindi video
51. Infix to Postfix expression
52. Array implementation of Stack
53. Stack Data Structure
54. DBMS#03 | DBMS System Architecture in Hindi video
55. Java program method overloaing
56. Java program use of String
57. DS#33 | 2 Dimensional Array | Data Structure in Hindi video

- 58. SE#10 | Function point (FP) project size estimation metric in Hindi video
- 59. ADA#02 | Define Algorithm. Discuss how to analyse Algorithm | ADA previous years in Hindi video
- 60. Principles of Programming Languages
- 61. Machine Learning
- 62. R Programming Video Lectures
- 63. Internet of Things (IOT)
- 64. Digital Circuits
- 65. Number Systems
- 66. Computer Organization and Architecture Video Lectures
- 67. UGC NET
- 68. There are five bags each containing identical sets of ten distinct chocolates. One chocolate is picked from each bag. The probability that at least two chocolates are identical is _____
- 69. C Programming Questions
- 70. What is Software ? What is the difference between a software process and a software product ?
- 71. Difference between scopus and sci/scie journal
- 72. Human Process Interventions: Individual and Group Level & Organization Level Topics Covered: Coaching, training and development, conflict resolution process process consultation, third-party interventions, and team building.
- 73. Leading and Managing Change & Emerging Trends in OD
- 74. Designing and Evaluating Organization Development Interventions
- 75. Tutorial
- 76. Data Dictionary and Dynamic Performance Views
- 77. Anna University Notes | Big Data Analytics
- 78. What is Map Reduce programming model? Explain.

- 79. Features of Web 2.0
- 80. Describe in brief the different sources of water.
- 81. RGPV BEEE
- 82. Define data structure. Describe about its need and types. Why do we need a data type ?
- 83. Interview Tips
- 84. Find output of C programs Questions with Answers Set 01