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Lecture No 1

1. **A statement is also referred to as a _____.**

proposition

2. **Choose the correct preposition.**

4 + 2 = 6
close the door
He i very rich
x is greater than 2.

3. **Choose the correct statement.**

x + 2 is positive
May i come in
Logic is interesting
x + y = 12

4. **Negation Symbol**

~

5. **Conjunction Symbol**

^

6. **Disjunction Symbol**

v

7. **Conditional Symbol**

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→

8. Biconditional Symbol

↔

9. A _____ specifies the truth value of a compound proposition for all possible truth values of its constituent propositions.

truth table

Lecture No 2

10. A _____ is a statement form that is always true regardless of the truth values of the statement variables.

tautology

Lecture No 3

Not Found any multiple choice in this lesson.

Lecture No 4

11. Biconditional Statement denoted with _____ symbol.

↔

12. Laws of logic types?

Five (page 20)

Lesson No 5

13. An argument is a list of statements called _____ (or assumptions or hypotheses) followed by a statement called the conclusion.

premises

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14. An argument is valid if the conclusion is true when all the premises are _____.

True

15. An argument is invalid if the conclusion is _____ when all the premises are true.

false

Lecture No 6

16. A well defined collection of {distinct}objects is called a _____.

set

17. The objects are called the _____ or members of the set.

elements

18. Sets are denoted by _____ letters.

Capital

19. The elements of a set are represented by _____ letters.

lower case

20. A = {1,2,3,4,5} is a set of _____ Numbers.

Natural Numbers

21. B = {2,4,6,8.....50} is a set of _____ Numbers.

Even Numbers

22. C = {1,3,4,7,9.....} is a set of _____ Numbers.

Positive odd numbers

23. The symbol "..." is called an _____.

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ellipsis

24. A ⊆ B is set of _____.

Subset

25. Every set is a subset of itself.

True
False

26. A = B is called.

Equal Set

27. A set which contains no element is called a _____.

Null Set

28. The set of all elements under consideration is called the _____.

Universal Set

29. A Venn diagram is a _____ representation of sets by regions in the plane.

graphical

Lecture No 7

30. A ∪ B is the abbreviation of _____.

Universal Set

Lecture No 8 & Lecture 9

31. Ordered pair consist of _____ elements.

Two

32. A ×B is the abbreviation of _____.

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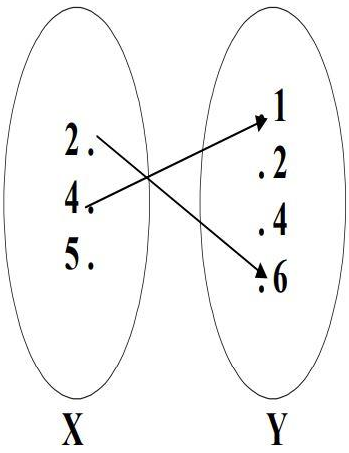
Cartesian Product

Lecture No 10

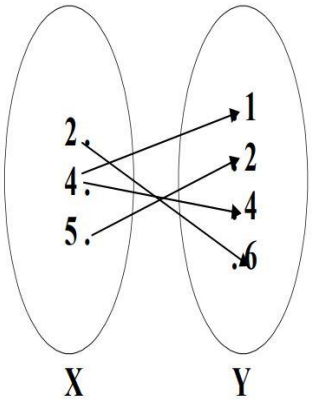
33. The set A together partial ordering R is called a partially ordered set or_____.

poset

Lecture 11



Functions.



Non Functions

Lecture No 12

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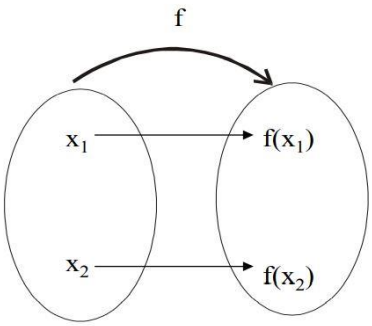

One Two One

Lecture 13

34. A sequence is just a list of elements usually written in a_____.

Row

35. A sequence whose terms alternate in si n is called an_____.

alternating sequence

36. A sequence in which every term after the first is obtained from the preceding term by adding a constant number is called _____.

Arithmetic sequence

37. A sequence in which every term after the first is obtained from the preceding term by multiplying it with a constant number is called a _____.

Geometric progression

Lecture No 14

38. Summation Notation To Expanded Form.

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$$\sum_{i=0}^{n} \frac{(-1)^i}{i+1}$$

Lecture No 15

39. How many types of basic Arithmetic operations?

Five

40. Choose the correct arithmetic operations.

Subtraction
Addition
Multiplication
All of the above

41. The latest version of this software is EXCEL _____.

2002 XP

42. A _____ defines all cells starting from the left most corner where the range starts to the right most corner in the last row.

Range

43. How many types of operators in excel?

Four

Cell A34: 5
Cell B34: 10
Cell C34: 15
Cell D34: 20
Cell E34: 30
Cell F34: 40
The formula was written in cell G34. The formula was:
=5+10+15+20+30+40

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130
125
120

44. Which symbol is used in excel to multiply values.

*

45. Which symbol is used in excel to Divide values.

/

Lecture No 16 & Lecture 17

46. Percentage Change Formula_____.

Change/initial value * 100%

47. Excel Formula for salary in year _____.

ROUND()

48. Price earnings ratio formula

Market value per share / Earnings per Share

49. Net Current asset value per share formula

NCAVPS = (Current Assets - Total Liabilities)/ # of share outstanding

50. The price at which investors buy or sell a share of stock at a given time is called _____.

Market Value

51. Simple interest formula

I = P.R.T/100

52. Compound Interest Formula

P(1+R/100)^n

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Lecture No 18

53. Annuities are essentially series of _____ required from you or paid to you at a specified frequency over the course of a fixed period of time.

Fixed Payment

54. An Annuity is a type of investment that can provide _____ of income over a long period of time.

Steady stream

55. Future of ordinary Annuity Formula

C*[(1+i)^n -1/i]

56. Accumulated value formula?

S = ((1+i)^n-1)/i

57. Algebraic Expression indicates the mathematical operations to be carried out on a combination of _____ and VARIABLES.

NUMBERS

58. The components of an algebraic expression are separated by _____ and Subtraction.

Addition

59. How many types of term in algebraic expression?

Four

60. 3x2 is the example of which algebraic expression?

Monomial

61. 3x2+xy is the example of which algebraic expression?

Binomial

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62. 3x2 +xy-6y2 is the example of which algebraic expression?

Polynomial

63. How many steps are involved in division by monomial?

Two

Lecture No 19 & Lecture 20

64. A _____ is a rectangular array of numbers.

Matrix

65. The numbers in a matrix are often arranged in a _____.

meaningful way

66. A Matrix with dimensions 1xn is referred to as a _____.

row matrix

67. A Matrix with dimensions nx1 is referred to as a _____.

Column Matrix

68. A Matrix with dimensions nxn is referred to as a _____.

Square Matrix

69. Select the correct option.

$$I_3 = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

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Identity

Square

Lecture 21

70. Select the correct answer

The ratio of mango juice apple juice orange juice is 3: 2: 1.5 if you hvae 500 milliliters of orange juice, how much mango juice and apple juice is needed?

2167

2067

2564

71. Stakeholders in merchandising types.

4

72. A _____ is a person who buys a product directly from the manufacturer, and then either sells the product at retail prices to the public.

middle man

Lecture No 22

73. A characteristic that varies with an individual or an object, is called a_____.

variable

74. when a characteristic can be expressed numerically such as age, weight, income or number of children.

quantitative variable

75. The given word, "STATISTICS" consists of _____ letters.

10

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