By OnlineInterviewQuestions.com

Discrete Mathematics MCQ Quiz

Take Discrete mathematics Quiz To test your Knowledge

Below is the few **Discrete mathematics MCQ** test that checks your basic knowledge of Discrete mathematics. This **Discrete mathematics Test** contains around 20 questions of multiple choice with 4 options. You have to select the right answer to a question.

Q1. Which of the following is the set of positive integers?

- **A. Infinite**
- **B.** Subset
- **C.** Finite
- **D.** Empty

Q2. Which of the following is union of {1, 2, 5} and {1, 2, 6}?

- **A. {1, 2, 5, 6}**
- **B.** {1, 2, 6, 1}
- **C.** {1, 2, 1, 2}
- **D.** {1, 5, 6, 3}

Q3. Which of the following is complement of the set A?

- **A.** A – U
- **B.** A – B
- **C. U – A**
- **D.** B – A

Q4. The relation between sets A, B, C as shown by venn diagram is

- **A.** A is subset of B and B is subset of C
- **B. C is subset of B and B is subset of A**
- **C.** C is not a subset of A and A is subset of B
- **D.** None of These

Q5. Which of the following statement is false?

- **A.** A ? A = A
- **B. (A U B)' = A' U B'**
- **C.** A U A = A
- **D.** A – (B ? C) = (A – B) U (A –C)

Q6. If a set contains 3 elements then the number of subsets are?

- **A.** 3
- **B.** 6
- **C. 8**
- **D.** 12

Q7. How many bytes are required to encode 2000 bits of data?

- **A.** 16
- **B.** 8
- **C. 2**
- **D.** 32

Q8. Floor (2.4) + Ceil (2.9) is equal to

- **A.** 4
- **B. 5**
- **C.** 6.3
- **D.** 7

Q9. Which of the following is a collection of graph?

- **A.** Row and coloumn
- **B. Vertices and columns**
- **C.** Equation

- **D.** None of above

Q10. Which of the following is a error correcting code?

- **A.** Error deducting code
- **B. Hamming code**
- **C.** Gray code
- **D.** None of the above

Q11. The set of positive integers under the operation of ordinary multiplication is

- **A.** Not a monoid
- **B.** A group
- **C.** Not a group
- **D. An Abelian group**

Q12. The number of eight-bit strings beginning with either 111 or 101 is -

- **A. 64**
- **B.** 128
- **C.** 256
- **D.** 312

Q13. Let A and B be two arbitrary events, then

- **A.** P(AUB) = P(A)+P(B)
- **B.** P(A?B) = P(A)P(B)
- **C. P(AUB) ? P(A)+P(B)**
- **D.** P(A/B) = P(A?B)+P(B)

Q14. . The sum of square of the first n natural numbers is given by

- **A.** n(n-1)/2(2n+1)
- **B. n(n+1)(2n+1)/6**
- **C.** n2(n+1)(2n+1)/6
- **D.** None of these

Q15. The sequence 1, 1, 1, 1, 1…. is?

- **A. Not absolutely summable**
- **B.** Absolutely summable
- **C.** Can't say
- **D.** None of These

Q16. The sequence 1, 1, 1, 1, 1…. is?

- **A. Not absolutely summable**
- **B.** Absolutely summable
- **C.** Can't say
- **D.** None of These

Q17. Which of the following is cardinality of the set A = {1, 2, 3, 4, 6}?

- **A.** 4
- **B. 5**
- **C.** 6
- **D.** 3

Q18. A matrix having many rows and one column is known as -

- **A.** Diagonal matrix
- **B.** Row matrix
- **C. Column matrix**
- **D.** None of the above

Q19. Let A order(axb) and Border(cxd) be two matrices, then if AB exists, the order of AB is?

- **A.** bxc
- **B. axd**
- **C.** axb
- **D.** cxd

Q20. If determinant of a matrix A is Zero then

- **A.** A is a non-Singular matrix
- **B. A is a Singular matrix**
- **C.** Can't say
- **D.** None of These

Please Visit OnlineInterviewquestions.com to download more pdfs