Assignment-02

The due date for submitting this assignment has passed.

As per our records we do not have to record this assignment.

1) For a network of 4 nodes and 5 edges, the size of the incidence matrix, A (in A4X5) will be ______.

   Accepted Answers: 
   1. 4
   2. 5
   3. 3
   4. 2
   5. 5
   No, the answer is incorrect.
   Score: 1

2) For a matrix A, the powers A^t approach the zero matrix. For this property, the lower bound of exponent t is ______ and upper limit is ______.

   Accepted Answers: 
   1. -1
   2. 0
   3. 1
   4. 2
   No, the answer is incorrect.
   Score: 1

3) True or False

   Suppose, a square matrix A has repeated eigenvalues (7,7) on det(A - I) = 0. Then A cannot be diagonalized (Diagonalizable: 0 / Non-Diagonalizable: 1).

   Accepted Answers: 
   1. True
   2. False
   No, the answer is incorrect.
   Score: 1

4) True or False

   Suppose A is an invertible matrix. Then det(A - 4I) = det(A + 4I).

   Accepted Answers: 
   1. True
   2. False
   No, the answer is incorrect.
   Score: 1

5) True or False

   The matrix A is symmetric positive definiteness.

   Accepted Answers: 
   1. True
   2. False
   No, the answer is incorrect.
   Score: 1

6) Let A be an n x n matrix and A^-1 exists. Then det(A^-1) = 1 / det(A).

   Accepted Answers: 
   1. True
   2. False
   No, the answer is incorrect.
   Score: 1

7) True or False

   A + B = 0, then B = -A.

   Accepted Answers: 
   1. True
   2. False
   No, the answer is incorrect.
   Score: 1

8) Let A be an n x n matrix and A^-1 exists. Then det(A^-1) = 1 / det(A).

   Accepted Answers: 
   1. True
   2. False
   No, the answer is incorrect.
   Score: 1

9) True or False

   If A is a diagonal matrix, then all its eigenvalues are distinct.

   Accepted Answers: 
   1. True
   2. False
   No, the answer is incorrect.
   Score: 1

10) True or False

    The determinant of a square matrix A is a scalar value that can be computed from the elements of the matrix and provides important information about the matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

11) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

12) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

13) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

14) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

15) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

16) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

17) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

18) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

19) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

20) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

21) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

22) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

23) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

24) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

25) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

26) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

27) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

28) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

29) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

30) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

31) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

32) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

33) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

34) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

35) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

36) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

37) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

38) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

39) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

40) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

41) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

42) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1

43) True or False

    If A is a symmetric matrix, then A is also a diagonal matrix.

    Accepted Answers: 
    1. True
    2. False
    No, the answer is incorrect.
    Score: 1