

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – Oct 2018

Course: B. Tech in Chemical engineering

Sem: IV

Subject Name: NMCE

Subject Code: BTCHC401

Max Marks:20

Date:-11-03-19

Duration:- 1 Hr.

Instructions to the Students:

1. All questions are compulsory
2. Use of Non-programmable calculator is allowed.
3. Figures to the right indicate full marks.

(Level/CO) Marks

Q.1 Multiple choice questions

M 6

1. Relaxation method were developed for solving

- A. linear system
- B. House- holder's method
- C. faddeev method
- D. collinear systems

2. In Gauss elimination the coefficient matrix is transform to.....

- A. Augmented matrix
- B. lower triangular
- C. Upper triangular

4. Normal

3. the characteristic polynomial is.....

- A. $|A - \lambda I| = 0$
- B. $[A - \lambda I] = 0$
- C. $|\lambda I - A|$
- D. None

4.....Method is used to find largest eigen value

- A. Newton raph sons method
- B. Given's method
- C. Court's method
- D. Power method

5. Single variable successive substitution is also known as.....

- A. Multivariable successive method
- B. Given's method
- C. Court's method
- D. Fixed point method

6. the first approximate real root of $x^3 - 6x + 4$ by Newton Raphson's method is.....

- A. 1
- B. 2
- C. 0.7316
- D. 0.5