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 compulsosy
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
D. 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