WIT CBUS BT EE.

QP Code: 6372 Engineening (3 HOURS) (MAX. MARKS: 80) Note: Question No. 1 is compulsory. Attempt any three questions out of remaining five questions. Assume suitable data wherever necessary. Figures to right indicate full marks. Write short notes on: (Any four) Q.1 Define enzymes and explain why they are proteins? Describe activation energy Types of enzyme reactor C. ď. Spectrophotometry Biosensors e. Q.2 Explain the role of enzyme in food industry. 10 b. Give models for bi substrate reaction of enzyme with appropriate examples. 10 Q.3 Derive Briggs Haldane modification of Michaelis Menten equation 10 Explain how Michaelis Menten equation gets modified in presence of non 10 competitive inhibitor. Explain various method for cell disruption Q.4 10 Write a note on western blotting b. 10 Q.5 Write a note on different methods of immobilization 10 Write a note on coupled kinetic assay 10 D. What are various strategies for genetic modification of enzyme? Explain 10 Q.6

Write a note on the structure of active site

What is Gel filtration Chromatography? Explain

b.

C.