

SYNERGY INSTITUTE OF ENGINEERING AND TECHNOLOGY, DHENKANAL

Near NH-55, Banamali Prasad – 759001



Assignment-IV

Name- Full Marks-40 Duration-Within 1 Week from Notification

Registration No-

Subject with Code: Database Engineering(CSPC2004)

Course & Branch: B. Tech: CSE

Year & Semester: 2nd & 4th

Section- A Answer All Questions

1. What is hashing? [2marks][CO4][L1]
2. Difference between single level index vs multi level index? [2marks][CO4][L1]
3. What is transaction? [2marks][CO4][L1]
4. What is serializability? [2marks] [CO4][L2]

Section-B

Answer All Questions

1. What is hashing and explain the hashing techniques? [5marks][CO4][L2]
2. What is transaction? Explain the ACID Properties and also describe the transaction states with diagram? [5marks][CO4][L2]

Section-C

Answer All Questions

1. What is deadlock and explain the deadlock handling technique? [10 marks][CO4] [L3]
2. Explain recovery mechanism from transaction failure? [10 marks][CO4][L3]