JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
(T-2 Examination September-2019)
B.Tech. 7TH Semester

COURSE CODE: 11B1WCI731

MAX. MARKS: 25

COURSE NAME: Software Agent

COURSE CREDITS: 4

MAX. TIME: 1.5 Hrs

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

Q. 1. Can virtual organization act as multi agent system? How the life cycle of virtual organization is differ from multi agent system? (5)

Q. 2 What do you understand by ContractNet protocol? Explain the working of ContractNet protocol with a suitable diagram and also listed the advantage and disadvantage of this protocol? (5)

Q. 3 Why the Knowledge Interchange Format is more preferred language in multi agent system? What is the syntax and semantic of KIF? Is any issue related to KIF? Explain it. (5)

Q. 4 How the ontology is problem in multi agent systems. What are the methods to resolve the ontology problem? Write the steps to develop the ontology for a multi agent system and explain the ontology web language. (5)

Q. 5 What do you understand by agent architecture? Explain the different agent architecture with suitable diagrams. (5)