Subject: **Artificial Intelligence (01CE0702)**   Semester: 7th

Assignment for Average and Premium Students

S. No.	Questions

1	Explain the following terms:
	  i) Branch and Bound Algorithm
	  ii) AO Graphs

2	Differentiate between informed and uninformed search.
3	Differentiate between DFS and BFS.
4	Consider the following sentences: i. "Steve only likes easy courses. ii. Science courses are hard. iii. All the courses in Humanities Department are easy. iv. HM101 is a course in Humanities". i. Translate the above sentences into formulas in Predicate logic ii. Use resolution to answer the question. "What course would Steve like?"
5	What is Constraint Satisfaction Problem? Solve the following Crypt arithmetic Problem. B A S E + B A L L _____ G A M E S

A (Average): 12 to 20 (including 12 and 20) obtained marks
P (Premium): 21 to 30 obtained marks

Subject Faculty   Head of Department