

	VP → Verb NP NP → NP PP NP → Det Noun PP → Prep Noun	Verb → Find Prep → in Noun → men suits		
Q9	Design the CKY chart for sentence The rain rains down by considering following rules: 1. S → NP VP 2. NP → N 3. NP → DT N 4. VP → V ADVP 5. VP → V 6. ADVP → ADV 7. DT → the 8. N → rain 9. N → rains 10. V → rain 11. V → rains 12. ADV → down		10	CO2

SECTION-C

Q 10 A	Explain the Earley algorithm in detail and Simulate the Earley algorithm for below given grammar and The sentence is " Ram ate the payasam in the dish with a spoon " S-> NP VP NP -> Ram S -> VP NP N -> spoon NP->Det N N->payasam NP-> NP PP V -> ate VP-> V NP N -> dish V P -> V NP NP P -> with VP-> VP PP P -> in PP-> P NP Det -> the a		10	CO2
Q10 B	Explain the following terms i. content Determination ii. Sentence Planning iii. Surface Realization		10	CO3
Q11A	Explain the terms verb phrases and simple sentences, five verb forms and some common verb compliment structure in English.		10	CO2
Q11B	Briefly explain about the machine translation		10	CO4

Name:

Enrolment No:



	NP -> ProperNoun NP -> ProperNoun Rel Nominal -> Noun! Nominal -> Noun Rel Rel -> Wh VP VP -> IV VP -> TV NP VP -> DV NP PP PP -> Preposition NP	ProperNoun -> Mia Det -> a Det -> her Noun -> gun robber DV -> gave Wh -> who that TV -> loved Preposition -> to IV -> fell		
Q9	Explain Transition Networks? Represent a Noun Phrase Segment of a Transition Network?		10	CO2
SECTION-C				
Q 10 A	Explain the Earley algorithm in detail and Simulate the Earley algorithm for below given grammar and The sentence is " Ram ate the payasam in the dish with a spoon " S-> NP VP NP -> Ram S -> VP NP N -> spoon NP->Det N N->payasam NP-> NP PP V -> ate VP-> V NP N -> dish V P -> V NP NP P -> with VP-> VP PP P -> in PP-> P NP Det -> the a		10	CO2
Q10 B	Explain the following terms i. content Determination ii. Sentence Planning iii. Surface Realization		10	CO3
Q11A	Construct the parsing tree for the sentence " workers dumped sacks of garbage and junk into a bin ", write the grammar rules after applying the sub-categorization of verb, and pre-position.		12	CO2
Q11B	Briefly explain about the machine translation		8	CO4