	(Time: 2½ Hours) [Total Marks: 60]	
N. B.:	(1) All questions are compulsory.	
	(2) Make <u>suitable assumptions</u> wherever necessary and <u>state the assumptions</u> made.	
	(3) Answers to the same question must be written together.	
	(4) Numbers to the <u>right</u> indicate <u>marks</u> .	
	(5) Draw neat labeled diagrams wherever necessary.	
	(6) Use of Non-programmable calculator is allowed.	
1.	Attempt <u>any two</u> of the following:	12
a.	State and explain the contextual factors that have assisted in sentence segmentation.	
Ь.	What is finite state transducer? Explain the working of FST with suitable example and	
	diagram.	
c.	With suitable diagram, explain the stages of analysis in processing of Natural	
d.	Language Processing.	
u.	Write a short note on Cross Lingual Information Retrieval.	
2.	Attempt any two of the following:	
a.	Explain Pustejovsky's Generative Lexicon approach to Semantic Representation.	12
b.	Explain LR(0) parsing with an example.	
c.	Discuss the Cocke-Kasami-Younger Algorithm.	
d.	What is Macro-planning and micro-planning? Explain the one approach to text	
	planning.	
	그 이 이 지하는 것이 되었다. 그 사람이 살아 살아 먹는 것이 없다.	
3.	Attempt any two of the following:	12
a.	What is alignment model and explain its type?	
b.	What is machine translation? What is statistical machine translation?	
C.	What is combined tagger?	
d.	What are the advantages and drawbacks of TBL?	
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4.	Attempt <u>any two</u> of the following:	12
a. b.	What is the discriminative model? Explain the types of discriminative model. Write a short note on Core Parser.	
c.	What is probabilistic context free grammar (PCFG)? How PCFG is used as statistical	
٠.	parsing model?	
d.	What are the different set of data structure on which MALT parser operates?	
	are the different per of and budeful of which the Est parser operates;	
5.	Attempt any two of the following:	12
a.	What is idiomaticity? Enlist and explain in detail the subtype of idiomaticity.	1.4
b.	Write a short note on association measures.	
C.	What are the different types of MWEs?	
d.	Enlist and explain sources of the sense inventory.	

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