JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- 2025

B.Tech-VIII Semester (All Branches)

COURSE CODE (CREDITS): 23B1WHS831 (3)　　　　　MAX. MARKS: 35

COURSE NAME: Introduction to Science of Language

COURSE INSTRUCTORS: Dr. Atul Kumar Singh　　　　MAX. TIME: 2 Hour

Note: (a) All questions are compulsory.

Q.No	Question	CO	Marks
Q1	**She killed the man with a kind heart.** What is the ambiguity in the above sentence? What is causing this ambiguity? Draw two phrase structure trees for the above sentence in order to disambiguate the two senses.	1	3+4
Q2	Take the following example from Welsh: i) Agorodd y dyn y drws. "The man opened the door." ii) Collodd y dyn ddwy bunt. "The man lost two pounds (money)." iii) Gyrhaeddodd y dyn. "The man arrived." iv) Gaeth y dyn ddwy bunt. "The man got two pounds." v) Agorodd Fred ddwy ddrws. "Fred opened two doors." Based on your analysis of this data, answer the following a) What is the word order in Welsh? b) What is the TP rule of Welsh? c) What is the VP rule of Welsh? (Assume all non-head material is optional.) d) Draw the tree for sentence (ii)	5	1+2+2+2
Q3	**Draw a phrase structure tree for the following sentence and answer questions that follow** The man with a coconut in his hand walked on the platform. a) Which nodes are dominated by VP? b) Which nodes are preceded by the N (Coconut)? c) Which nodes are C-commanded by VP?	2	2+1+2+2
Q4	Discuss the difference between entailment and implicature. Explain with an example what is defeasibility and reinforceability of implicature. Using truth conditional Semantics show that A and B **do not** entail C. A) I am sleeping or I am hungry B) I am not hungry C) I am not sleeping	2	1+2+3
Q5	Why is indexing important in Semantics? Is the following sentence indexed correctly? Why/ Why not? John$_i$ killed him$_i$	5	1+1+1
Q6	How are the language usages in the contemporary world affected by factors such as gender, location and culture? What role has newer technologies and media played in the evolution of languages?	4	5