

This question paper contains 2 printed pages ]

Your Roll No

**6179**

**B.Sc.(Hons.) Computer Science / I Sem. J**

**Paper 105 – LANGUAGE : FORM AND  
FUNCTION**

**(Admissions of 2001 and onwards)**

**Time : 3 Hours**

**Maximum Marks : 75**

*(Write your Roll No on the top immediately on receipt of this  
question paper )*

**Attempt all questions**

**Parts of a question must be answered together**

**Section – A**

**Each question carries five marks**

- 1 Is language a rule-governed behaviour ?  
Enumerate the basic functions of language
- 2 Distinguish paradigmatic and syntactic relations
- 3 Distinguish between Form and Substance
- 4 What is meant by Morpheme, Allomorph,  
Morph ?

- 5 Describe the concepts of Homonymy and polysemy with suitable examples  $5 \times 5 = 25$

**Section – B**

Each question carries 10 marks

- 6 What is meant by computational linguistics and why is it relevant for a country like India ?  
**OR**  
Critically examine human mind as a computing device
- 7 Discuss phrase structure rules  
**OR**  
What is meant by Parsing ? Have different type of parsers been developed ?
- 8 Discuss briefly verbal and non-verbal communication  
**OR**  
How are speech and writing the two modes of expressing language ?
- 9 What are the various word formation processes ? Discuss with suitable examples  
**OR**  
What do Understander Systems mean ? Explain with reference to ELIZA and SHRDLU.
- 10 Write brief notes on any **two** of the following
- (1) Language and gender
  - (2) Phenomenon of Diglossia
  - (3) Artificial Intelligence
  - (4) Deep structure and surface structure

$5 \times 10 = 50$