

*This question paper contains 3 printed pages.]*

**1780**

Your Roll No. ....

**B.Sc. (Hons.) Computer Science / I Sem. A**  
**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 any **ten** questions from part A and **five** questions  
from part B. Question No. 12 is compulsory.*

**Part A**

1. “Language is arbitrary.” Discuss. 3
2. Distinguish between signifier and signified. 3
3. What is morpheme ? Give examples. 3
4. Phonetically transcribe the words :  
Teacher, Water, Seen 3

[P.T.O.]

5. Discuss structural ambiguity. Give examples. 3
6. Discuss any understander system. 3
7. What is an Allophone ? 3
8. Discuss prepositional logic. 3
9. What is assimilation ? 3
10. What is homonymy ? Give examples. 3
11. Define complex and compound words by giving examples. 3

### **Part B**

12. Explain Prefix, Suffix and Infix by giving examples. 5
13. What is Phrase Structure Grammar ? Explain. 10
14. Use a Top down Parser to analyze a simple sentence of your choice. 10

15. Discuss the features of human language. 10
16. Discuss the different factors affecting language variation.  
10
17. Discuss the application of computational linguistics.  
10