

Bachelor in Information Technology (BIT)**Term-End Practical Examination****June, 2007****CSI-23P : TECHNIQUES OF ARTIFICIAL INTELLIGENCE***Time : 1 Hour**Maximum Marks : 30**(Weightage : 15%)*

Note : *There are two questions of 10 marks each in this paper. Both are compulsory.
10 marks are for viva-voce.*

1. Write a LISP function that takes an argument n and find 2 to the power n .
(func (n) gives 2^n) 10

2. Write a LISP function that takes two arguments, first argument is an element and second argument a list. It generates pairs of elements with each member of list. 10
e.g. (pair ' a ' (1 2 3) \Rightarrow
((a 1) (a 2) (a 3))