No. of Printed Pages : 1

SET - 1

BACHELOR IN INFORMATION TECHNOLOGY (BIT)

Term-End Practical Examination

00911

June, 2010

CSI-23P : TECHNIQUES OF ARTIFICIAL INTELLIGENCE

Time allowed : 1 hour

Maximum Marks : 30
(Weightage : 15%)

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

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1. Write a function called 'reverse-combine' which reads two lists and returns a single list in which the elements of the second list appear before the elements of the first list and orders of elements given within the first and second lists are preserved in the returned list. **10**

For example,

(reverse-combine '(1 2 3 4) '(a b c))

returns

(a b c 1 2 3 4)

Implement the above-mentioned function in LISP or PROLOG or in C programming language.

2. Write a function 'Sum-Sq' that reads a positive integer n and then a list of n integers and returns the sum of squares of these integers. For example, the function reads the positive integer 4 and then reads the list (2 −3 −4 8) and the function returns 93. **10**

Implement the above function in LISP or PROLOG or in C programming language.
