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MMTE-007(P)(Set-II)

**M. Sc. (MATHEMATICS WITH
APPLICATIONS IN COMPUTER
SCIENCE)
[M. SC. (MACS)]**

Term-End Practical Examination

June, 2025

MMTE-007(P)(Set-II) : SOFT COMPUTING AND ITS APPLICATIONS

Time : 1½ Hours *Maximum Marks : 40*

Note : This question paper has two questions worth 30 marks. Answer both the questions. Remaining 10 marks are for viva-voce.

1. Write the backpropagation algorithm in 'C' language and test it for some data. 15

[2]

2. Write a 'C' program of the following TSP using position-based crossover : 15

Parent 1	Parent 2
A	B
B	C
C	D
D	E
E	F
F	A
G	J
H	I
I	H
J	G

× × × × ×