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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 |

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