

25P261

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Name:

Reg.No:

SECOND SEMESTER M.Sc DEGREE EXAMINATION, APRIL 2026

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19PCSS2C09 - COMPUTATIONAL INTELLIGENCE

(Computer Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Discuss in brief the application of artificial intelligence.
2. Inspect in brief Simple Hill Climbing.
3. Interpret representation and mappings.
4. Explain procedure for converting into clause form.
5. Explain components of planning system.
6. Discuss expert system shells.
7. Summarize in brief hopfield networks.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Explain strategies of state space search.
9. Analyze A* algorithm.
10. Inspect means end analysis.
11. Describe instances and ISA relationships.
12. Discuss forward versus backward reasoning.
13. Illustrate mini-max search procedure.
14. Discuss genetic algorithm.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Discuss production system.
16. Inspect problem reduction with AO* algorithm.
17. Illustrate the concept of slots.
18. Interpret various types of machine learning.

(2 × 5 = 10 Weightage)
