PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018
(First Semester)

Branch – COMPUTER SCIENCE

SOFT COMPUTING

Time : Three Hours   Maximum : 75 Marks

SECTION -A (30 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 6 = 30)

1   a   What is Hard computing? Explain.
                  OR
  b   What is Hybrid computing? Explain.

2   a   Explain about classical search.
                  OR
  b   Explain about advantage and limitation of Genetic algorithm.

3   a   What are the components of an Artificial Network? Explain.
                  OR
  b   What is Recurrent Network? Explain.

4   a   Explain the evolution of fuzzy logic.
                  OR
  b   What is difference between crisp value and fuzzy values? Explain.

5   a   Write short notes on fuzzy relation.
                  OR
  b   What is the use of fuzzy controllers?

SECTION -B (45 Marks)
Answer any THREE questions
ALL questions carry EQUAL Marks   (3 x 15 = 45)

6   What are the various applications of soft computing? Explain.

7   Explain about fitness of a solution in Genetic algorithm.

8   Discuss in detail about different types of learning procedures.

9   What is fuzzy sets? Explain the different types of operation on fuzzy sets.

10   What is Defuzzification? What are the various defuzzification methods available? Explain all.

Z-Z-Z   END