67244

MCA 5th Semester (With New Notes)

Examination – May, 2018

SOFT COMPUTING (New)

Paper : MCA-504

Time : Three Hours]   *[Maximum Marks : 80*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Question No. **1** will carry total 8 parts (Short Answer Type) will be 16 marks. Question No. 2-9 from Unit 1 to 4. Question **1** is *compulsory* and student will require *one* question from each.

1. (a) Benefits of Soft Computing.   2

   (b) What is Parameters ?   2

   (c) Merits of Artificial Neural Network.   2

   (d) What is Neural Nuts ?   2

   (e) Neuro Fuzzy Control.   2

   (f) What is Fuzzy Sets ?   2

   (g) What is Sensors ?   2

   (h) What is Pattern ?   2

UNIT – I

2. What is Soft Computing ? Write down its application and role in Computer Science. 16

3. Write down the merits of artificial neural networks and also compare Fuzzy Sets and Fuzzy logic systems.

16

UNIT – II

4. What is learning ? Write down the role and benefits of learning in artificial neural Networks. 16

5. Explain different artificial neural network models in detail. 16

UNIT – III

6. Explain concept of fuzzy reasoning and fuzzy clustering in detail with suitable example. 16

7. What is fuzzy modeling ? Write down the application of fuzzy modeling in detail. 16

8. What is Image processing and Drug Design explain in detail ? 16

UNIT – IV

9. Write down the concept of Share Market Analysis in detail with example. 16

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