Reg. No. : ☐☐☐☐☐☐☐☐☐☐

Question Paper Code: 52308

M.E. DEGREE EXAMINATION, NOV 2016

Elective

Computer Science and Engineering

15PCS521 - MACHINE LEARNING

(Regulation 2015)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART - B (5 x 20 = 100 Marks)

1. (a) Write a short note on PAC learn ability.   (20)

Or

(b) Define learning. Explain the concept of learning task.   (20)

2. (a) Discuss various Artificial Neural Network Architectures.   (20)

Or

(b) How partially learned concepts can be used in machine learning?   (20)

3. (a) Explain the distance weighted nearest neighbor algorithm.   (20)

Or

(b) Explain K-means clustering in machine learning.   (20)

4. (a) Explain general to specific ordering of hypothesis.   (20)

Or

(b) Explain details about Clustering Methods.   (20)

5. (a) Explain passive learning in unknown environment. (20)

Or

(b) Identify what are the machine learning applications in robotics. (20)

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