Reg. No. : | | | | | | | | | |

Question Paper Code: 52311

M.E. DEGREE EXAMINATION, MAY 2017

Elective

Computer Science and Engineering

15PCS518 – PROTOCOLS AND ARCHITECTURES FOR WIRELESS SENSOR NETWORKS

(Regulation 2015)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 20 = 100 Marks)

1. (a) Explain various challenges of wireless sensor networks.   (20)

Or

    (b) Discuss about the various Enabling Technologies For Wireless Sensor Networks.

                                                                                    (20)

2. (a) Briefly explain about the Hardware Components & Design Constraints of a sensor node.   (20)

Or

    (b) Explain various types of sources and sinks available in WSN.   (20)

3. (a) Discuss briefly about single hop and multi hop localization.   (20)

Or

    (b) Explain how the two classifications of MAC protocol works.   (20)

4. (a) Discuss about various Geographic Routing protocols techniques.   (20)

Or

(b) Explain briefly about the data aggregation techniques. (20)

5. (a) Compare various mote types available in Berkley motes. (20)

Or

(b) Compare interface design of timer component and implementation definition of timer components. (20)

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